The WPR has made progress toward the 2012 regional goal of measles elimination as evidenced by increasing routine and SIA measles vaccination coverage and declining measles incidence in the presence of improving case-based, laboratory-supported measles surveillance systems. Nevertheless, in the region overall and in many countries, surveillance does not yet meet elimination standards, leading to underreporting or misclassification of cases. Moreover, countries such as Cambodia, Lao People’s Democratic Republic, Papua New Guinea, and others face challenges to achieving the 2012 goal because of general weaknesses of public health services that result in low routine vaccination coverage. In such countries, continuing periodic SIAs to attain high MCV coverage while working to strengthen routine vaccination systems will be critical to achieve the goal. Ensuring that all suspected measles cases are identified, reported and fully investigated by providing training, adequate operational costs, and laboratory support is urgently needed to monitor progress toward and ultimately validate achievement of measles elimination. Monitoring of circulating measles genotypes also is needed to validate interruption of endemic measles virus transmission.

Challenges also exist in China and Japan, which together accounted for 82% of the region’s population and more than 97% of its reported measles cases in 2008. Both countries have made renewed commitments and plans for achieving the 2012 regional goal. China has strengthened routine measles vaccination by scheduling earlier administration of MCV2 (at age 18–24 months instead of 7 years), providing incentives to health-care workers for immunizing children, and requiring proof of receiving 2 doses of measles vaccine at school entry. Japan is implementing a national measles elimination plan established in December 2007.

Efforts to eliminate measles help strengthen health systems and reduce child mortality from pneumonia, diarrhea, and micronutrient deficiencies that occur after measles infection, thereby helping to achieve the United Nations’ Millennium Development Goal No. 4 (to reduce by two thirds, from 1990 to 2015, the mortality rate in children aged <5 years). To achieve measles elimination and Millennium Development Goal No. 4, intensified and innovative efforts will be required by WPR countries and measles elimination partners to implement recommended strategies and target potentially new high-risk groups (e.g., young adults) revealed by epidemiologic analysis of surveillance data.

References

Updated Recommendations for Use of Haemophilus influenzae Type b (Hib) Vaccine: Reinstatement of the Booster Dose at Ages 12–15 Months

On December 13, 2007, certain lots of Haemophilus influenzae type b (Hib) vaccine marketed as PedvaxHIB (monovalent Hib vaccine) and Convax (Hib-HepB vaccine), and manufactured by Merck & Co., Inc., were recalled voluntarily, and the company temporarily suspended production of these vaccines. To conserve the limited supply of Hib-containing vaccines, CDC, in consultation with the Advisory Committee on Immunization Practices (ACIP), the American Academy of Family Physicians (AAFP), and the American Academy of Pediatrics (AAP), on December 18, 2007, recommended that vaccination providers temporarily defer the routine Hib

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Use of Combination Vaccines

During the Hib shortage, children received protection from certain vaccine preventable diseases in their primary vaccination series through various permutations of available combination vaccines (e.g., DTaP-IPV/Hib [Pentacel] and DTaP-IPV-HepB [Pedicarix]) and monovalent vaccines (e.g., ActHib, HepB, and IPV). Therefore, a mismatch might exist between patient vaccination needs and the available stock of different vaccine formulations (e.g., combination products versus single-antigen vaccines) in local provider offices. This situation presents a challenge for providers to administer vaccines to ensure appropriate coverage while minimizing extra doses of unneeded vaccine. For example, if a provider is using DTaP-IPV/Hib (Pentacel) vaccine to protect infants against Hib disease, the provider should ensure that adequate stock of monovalent HepB vaccine is available to complete the HepB vaccine series. *Children who need the Hib booster and who already have received 4 doses of DTaP should receive monovalent Hib vaccine (ActHIB) as their Hib booster dose. However, if DTaP-IPV/Hib is the only Hib-containing vaccine available, this combination product can be used to complete the series of Hib vaccination, even if the child already has received all the necessary doses of DTaP and IPV.

Reinstatement of Hib Booster Dose

Effective immediately, CDC, in consultation with ACIP, AAP, and AAP, is recommending reinstatement of the booster dose of Hib vaccine for children aged 12–15 months who have completed the primary 3-dose series. Infants should continue to receive the primary Hib vaccine series at ages 2, 4, and 6 months. Children aged 12–15 months should receive the booster dose on time. Older children for whom the booster dose was deferred should receive their Hib booster dose at the next routinely scheduled visit or medical encounter. Although supply is sufficient to reinstate the booster dose and begin catch-up vaccination, supply is not yet ample enough to support a mass notification process to contact all children with deferred Hib booster doses.

Sufficient vaccine will be available to administer the primary series at ages 2, 4, and 6 months and a booster dose on time to children aged 12–15 months. As part of delivering the booster dose to those children for whom it was deferred at the next routinely scheduled appointment or medical encounter, practices should discuss with parents the reasons for the change in recommendation and might consider 1) reviewing electronic or paper medical records or immunization information system records to identify children in need of a booster dose before physician encounters, 2) evaluating children’s vaccination status during their scheduled visit, and 3) sharing immunization schedules with parents to make them aware of this plan.

Information Regarding ActHIB or Pentacel

Vaccination providers with questions about their supplies of monovalent Hib vaccine (ActHIB) or DTaP-IPV/Hib (Pentacel) purchased with nonpublic funds should contact Sanofi Pasteur’s customer service department (telephone, 800-822-2463). Sanofi Pasteur will work directly with physicians to increase allotments of Hib-containing vaccines on the basis of previous purchasing patterns or practice birth cohort and estimates of additional vaccine doses needed. For public vaccine supplies, including Vaccines for Children Program vaccine, providers should contact their state/local immunization program to obtain vaccine.

This recommendation reflects CDC’s assessment of the existing national Hib vaccine supply and will be updated if the supply changes. Updated information about the national Hib vaccine supply is available at http://www.cdc.gov/vaccines/vac-gen/shortages/default.htm.

Details about the routine Hib schedule are available at http://www.cdc.gov/vaccines/recs/schedules/default.htm#child. Adverse events following receipt of any vaccine should be reported to the Vaccine Adverse Event Reporting System (VAERS) at http://vaers.hhs.gov.


References