

***Epidemiology and Prevention of Vaccine-Preventable Diseases 2008***  
**Session 2**

**Case Study 1: Jarek**

Jarek is a 7 year old who you are seeing for the first time in July. Jarek recently moved to the United States from Poland with his family. He was born 6 weeks premature and has a history of eczema which is controlled with the use of a topical steroid cream. Otherwise he is healthy with no other medical conditions. His mother reports he has not had chickenpox. His mother is 5 months pregnant.

**Vaccination history**

- DTP, OPV, and hepatitis B at 2, 3, 4, and 18 months of age.
- MMR and Hib at 15 and 21 months of age.

**Questions:**

What vaccines does Jarek need today?

Does Jarek have contraindications to vaccines he needs today?

When should Jarek return and what vaccines will he need at his next visit?

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**Case Study 2: Rob**

Rob is a 25 year old male nurse who works in the Emergency Department of an urban hospital. He had a temperature of 105° F after his first dose of whole-cell DTP vaccine when he was 2 months old. Since that time he has received a full series of pediatric DT, and adult Td booster doses. His last Td booster dose was 16 months ago. He is up to date for all other vaccines.

Rob reports that there is a pertussis outbreak occurring in the community served by the hospital where he works. Several persons with pertussis have been seen recently in the Emergency Department and 2 hospital staff members have been diagnosed with pertussis in the last month.

**Questions:**

Does Rob have an indication for Tdap?

Can Rob receive Tdap considering his past reaction to DTP?

If Rob can receive Tdap, when should it be administered?