

Epidemiology and Prevention of Vaccine-Preventable Diseases 2007
Session 2

Case Study 1: Marjeta

Background

- 8 years old female
- Seeing her in your office for the first time in July
- recently moved to the United States from the Czech Republic
- history of eczema, controlled with topical steroid cream
- otherwise she is healthy with no other medical conditions
- no history of chickenpox
- mother is 5 months pregnant

Vaccination history

BCG vaccine at 7 days of age, DTaP-Hib combination vaccine, OPV, and hepatitis B vaccines at 2, 3, 4, and 18 months of age
MMR at 15 and 21 months of age

Questions

What vaccines does Marjeta need today?

Does Marjeta have any contraindications to the vaccines she needs today?

When should Marjeta return and what vaccines will she need at her next visit?

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Case Study 2: Ellie

Background

- 27 year old female
- nurse in the emergency department of an urban hospital
- had temperature of 105°F after her first dose of whole cell DTP vaccine at age 2 months. She has received only pediatric DT (full series) and adult Td since that time. Last Td was 16 months ago
- otherwise up to date with all vaccines
- pertussis outbreak in the community served by the hospital; several cases seen recently in the ED; 2 hospital staff members diagnosed with pertussis in the last month

Questions:

Does Ellie have an indication for Tdap?

Can Ellie receive Tdap considering her past reaction to DTP?

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