Defense Health Board Question Presentation: Vaccine Use in Military Recruits

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Question #1

- A question Navy Medicine would like to pose before the Board is whether recruits who are younger than 18 years old develop less immunity when receiving a mixed series of pediatric and adult doses of a particular vaccine as opposed to having only the adult dose.
Question #2

• Should recruits at basic training be vaccinated against influenza if it were made available during the summer period?
Question #1 (continued)

• Twinrix which protects against hepatitis A and B is for adults age 18 or older.
  – Combination hepatitis A vaccine (pediatric dose) and hepatitis B (adult dose)
  – Schedule: 0, 1, 6 months*
  – Approved for persons 18 years of age and older

• Havrix (Hep A)
  – 12 months to 18 y/o - 720 units
  – 19 y/o and above – 1440 units
  – Booster dose in 6-12 months

• Hep B
  – 11-19 y/o – 10mcg
  – >19 y/o – 20mcg
Question 2 (continued)

- July-August 2007 several cases of influenza A/H3 occurred in the basic trainee population at Ft Benning and MCRD San Diego
- Six influenza A/H3 cases among sailors were documented on a large amphibious ship in late August 2007 after port stops in South Pacific.