

1. What vaccine-preventable disease is a common cause of severe diarrhea in infants and young children in the U.S.?
  - A. Chickenpox
  - B. Rubella
  - C. Rotavirus
  - D. Pneumococcal disease
2. Who should get the influenza vaccine?
  - A. Everyone 5 years of age and older
  - B. Just infants less than 1 year old
  - C. Only adults who may be at increased risk of complications from influenza
  - D. Everyone 6 months of age and older
3. The son of which U.S. president died in infancy due to influenza?
  - A. Abraham Lincoln
  - B. Franklin Delano Roosevelt (FDR)
  - C. George W. Bush
  - D. Bill Clinton
4. Which side effect is known to be caused by vaccines?
  - A. Fever
  - B. Hair loss
  - C. Decrease in shoe size
  - D. Profuse sweating
5. Which people are negatively affected by aluminum?
  - A. People whose kidneys are not working properly or at all
  - B. People who have never been in contact with aluminum
  - C. People who eat fish
  - D. People who do not receive aluminum in their diet
6. The MMR vaccine-autism controversy was started by a British researcher. What is one flaw found in his work?
  - A. False data
  - B. Large numbers of patients
  - C. It was reproducible
  - D. There were no flaws in the study
7. In Africa, many families do not name their children until the threat of what vaccine-preventable disease has passed?
  - A. Rubella
  - B. Measles
  - C. Pertussis
  - D. Polio
8. What vaccine-preventable disease cannot be successfully treated with antibiotics because it is a virus?
  - A. Influenza
  - B. Pertussis (whooping cough)
  - C. *Haemophilus influenzae* type B
  - D. Tetanus
9. Which of the following has been found to NOT be a cause of autism?
  - A. Vaccines
  - B. Rubella
  - C. Thalidomide
  - D. Genetics
10. Who do you think received the most immunologic components in vaccines?
  - A. Children born in 1942
  - B. Children born in 1982
  - C. Children born in 2000
  - D. Children born in 2024

**1. The correct answer is C**

Rotavirus is the most common cause of severe diarrhea in infants and young children in the U.S. In fact, before a vaccine was available, rotavirus infected about 3 million children every year in the U.S.

**2. The correct answer is D**

The influenza vaccine is recommended for everyone 6 months of age and older. Because influenza viruses change frequently, people should receive a dose of influenza vaccine every year.

**3. The correct answer is B**

Franklin Delano Roosevelt (FDR) and his wife Eleanor had their first child in 1906. Over the next 10 years, the Roosevelts had five more children, all of whom were boys. Unfortunately, one child became sick with influenza as an infant and died as a result.

**4. The correct answer is A**

Fever is a common side effect caused by vaccines. Fevers typically develop after a vaccine is given because the immune system is responding to the vaccine. Other common side effects that can occur after a vaccine include pain, redness or tenderness at the injection site.

**5. The correct answer is A**

For people to be negatively affected by aluminum, two criteria must be met: having kidneys that don't work properly and being exposed to high quantities of aluminum over an extended period of time. In these people, because their kidneys don't effectively clear the aluminum, it accumulates and causes damage.

**6. The correct answer is A**

False data was just one flaw in the report that caused the MMR vaccine-autism controversy. Many other groups tried to repeat the British researcher's experiments but were unable to do so. The small number of patients and a lack of controls were also found to be issues. The study was subsequently retracted.

**7. The correct answer is B**

Many families do not name their children until the threat of measles has passed. This common practice in Africa inspired Sophie Blackall, a gifted illustrator, to create posters for the Measles and Rubella Initiative, which document the ongoing initiative to end measles.

**8. The correct answer is A**

Because influenza is caused by a virus, it cannot be treated with antibiotics. Antiviral medicines, however, may work.

**9. The correct answer is A**

Multiple well-controlled, scientific studies have found no link between vaccines and autism. However, rubella infection during pregnancy, thalidomide (a medicine previously used for morning sickness), and genetics have all been shown to potentially cause autism.

**10. The correct answer is A**

Children born in 1942 received four vaccines that contained more than 3,000 immunologic components. Conversely, children today receive immunizations to protect against 16 diseases that contain fewer than 200 immunologic components.

More trivia:  
[vaccine.chop.edu/trivia](https://vaccine.chop.edu/trivia)



This information is provided by the Vaccine Education Center at Children's Hospital of Philadelphia. The Center is an educational resource for parents, the public and healthcare professionals and is composed of scientists, physicians, mothers and fathers devoted to the study and prevention of infectious diseases. The Vaccine Education Center is funded by endowed chairs from Children's Hospital of Philadelphia. The Center does not receive support from pharmaceutical companies. ©2024 Children's Hospital of Philadelphia. 24262-03-2024.