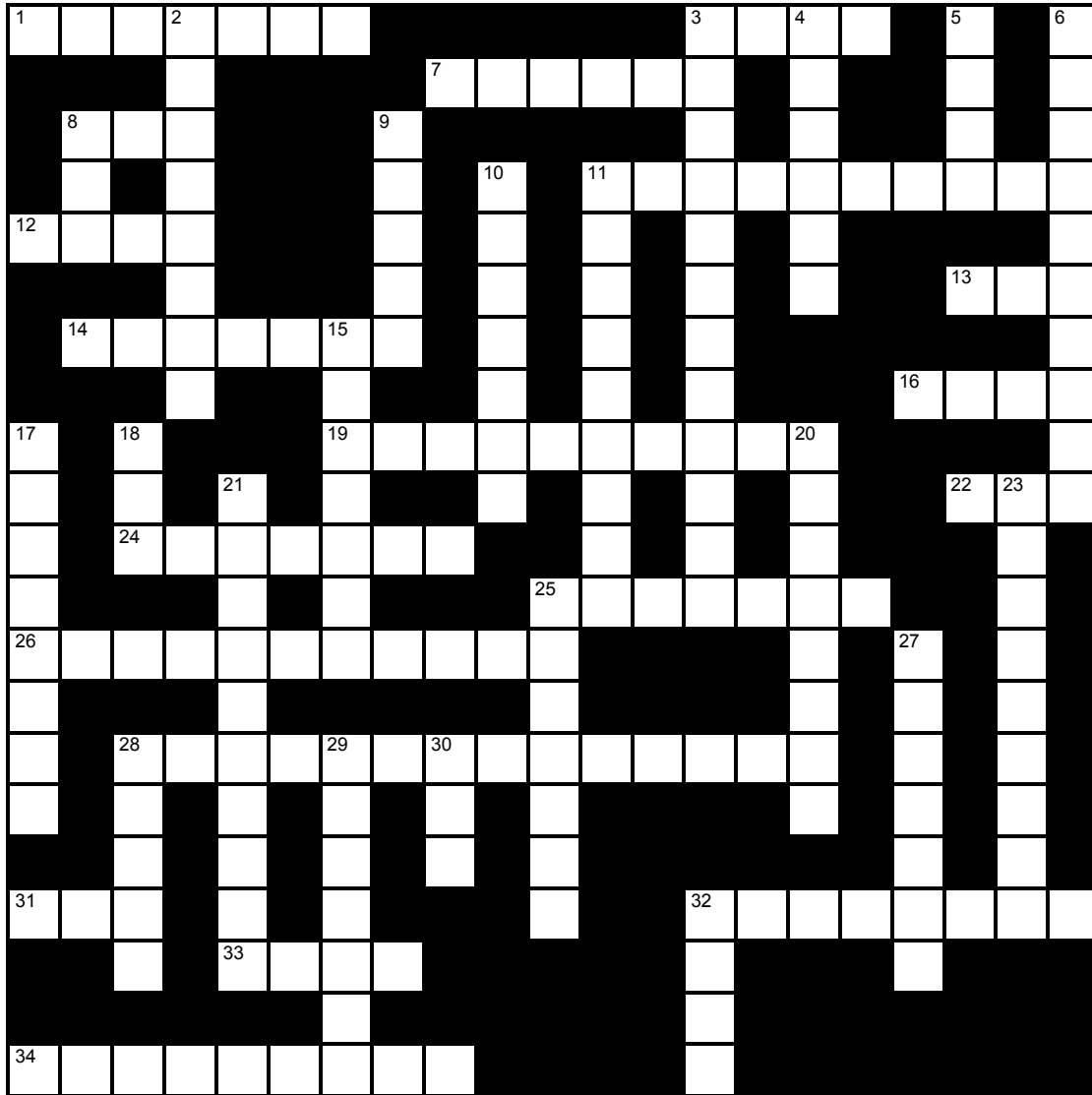


The History of Vaccines

May 2012

www.vaccines.mil



Across

- 1 Disease that infected 67K soldiers and killed 4K during Civil War (7)
- 3 Diphtheria vaccine creator (4)
- 7 Developed first smallpox vaccine (6)
- 8 U.S. vaccine regulator; abbr. (3)

Down

- 2 Termed the "Indian Plague" (8)
- 3 Vaccine component used in multidose vials to prevent bacteria growth (12)
- 4 Pasteur created vaccine to protect against animal bites (6)
- 5 Vaccine storage enemy (4)

- 11 Ordered first mandatory smallpox inoculation of military Service members (10)
- 12 Original route for polio vaccine (4)
- 13 Vaccine developed to protect American WWII troops in Pacific theater (3)
- 14 Vaccine no longer available for this intestinal infection (7)
- 16 Publication for ACIP vaccine recommendations; abbr. (4)
- 19 Needle patented in 1965 for smallpox vaccinations (10)
- 22 CDC info sheet before vaccination (3)
- 24 First to isolate the measles virus (7)
- 25 Hypersensitivity (7)
- 26 Inoculating a person with virus from a smallpox patient (11)
- 28 Conjugation with a protein improves effectiveness of which vaccine type (14)
- 31 Anaphylaxis antidote; abbr. (3)
- 32 Vaccine pioneer who developed 40+ vaccines (8)
- 33 Injected himself and entire family with experimental poliovirus vaccine (4)
- 34 Occurs when community vaccination rates fall (9)
- 6 Acute respiratory disease identified by the Walter Reed Army Institute of Research (WRAIR) in 1956 (10)
- 8 President paralyzed by polio; abbr. (3)
- 9 Origin of vaccination; latin for cow (5)
- 10 Toxoid immunization (7)
- 11 Type of pertussis vaccine used in the 1940's (9)
- 15 Disease during pregnancy linked to congenital defects (7)
- 17 Vaccine component that enhances immune response (8)
- 18 First combination vaccine available in US; abbr. (3)
- 20 Hilleman isolated mumps virus from this family member in 1963 (8)
- 21 Last city on North American Continent to see a yellow fever epidemic (10)
- 23 Epidemic causing 40 million deaths worldwide from 1918-1919 (9)
- 25 Bioweapon threat prompting vaccination of military members (7)
- 27 Number of diseases vaccines protect against by age six (7)
- 28 March of Dimes raised money to develop this vaccine (5)
- 29 African country with last case of wild smallpox (7)
- 30 Agency that tracks infectious diseases in the US; abbr. (3)
- 32 Type of immunity conferred by well vaccinated population (4)

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