

# Immunizations... Not Just for Kids!

Adolescent Immunizations  
Health Directors' Legal Conference  
April 17, 2008

## Vaccinating Adolescents



## Why Focus on Vaccinating Adolescents?

- Adolescents are at risk of acquiring harmful and debilitating diseases
- Waning immunity from childhood vaccines
- Youth often transmit diseases to close contacts
- Missed vaccinations
- New disease prevention opportunities exist

## Three Opportunities to Vaccinate Adolescents

- 11-12 year old visit – first opportunity
- 14-15 year old visit – time to catch up on missed vaccines or complete multiple-dose regimens
- 17-18 year old visit – update all vaccinations that may have been missed or newly recommended; college readiness

[www.cdc.gov/vaccines](http://www.cdc.gov/vaccines)

### Recommended Immunization Schedule for Persons Aged 7–18 Years—UNITED STATES • 2008

*For those who fall behind or start late, see the green bars and the catch-up schedule*

Vaccine ▼	Age ►	7-10 years	11-12 years	13-18 years
Diphtheria, Tetanus, Pertussis <sup>1</sup>	see footnote 1		<b>Tdap</b>	<b>Tdap</b>
Human Papillomavirus <sup>2</sup>	see footnote 2		<b>HPV (3 doses)</b>	<b>HPV Series</b>
Meningococcal <sup>3</sup>		<b>MCV4</b>	<b>MCV4</b>	<b>MCV4</b>
Pneumococcal <sup>4</sup>			<b>PPV</b>	
Influenza <sup>5</sup>			<b>Influenza (Yearly)</b>	
Hepatitis A <sup>6</sup>			<b>HepA Series</b>	
Hepatitis B <sup>7</sup>			<b>HepB Series</b>	
Inactivated Poliovirus <sup>8</sup>			<b>IPV Series</b>	
Measles, Mumps, Rubella <sup>9</sup>			<b>MMR Series</b>	
Varicella <sup>10</sup>			<b>Varicella Series</b>	

This schedule indicates the recommended ages for routine administration of currently licensed childhood vaccines, as of December 1, 2007, for children aged 7–18 years. Additional information is available at [www.cdc.gov/vaccines/imz/ihs/index.htm](http://www.cdc.gov/vaccines/imz/ihs/index.htm). Any dose not administered at the recommended age should be administered at any subsequent visit, when indicated and feasible. Additional vaccine may be licensed and recommended during the year. Licensed combination vaccines may be used whenever any components of the combination are indicated and other components of the vaccine are not contraindicated and if approved by the Food and Drug Administration for that dose of the series. Providers should consult the respective Advisory Committee on Immunization Practices statement for detailed recommendations, including for <http://www.cdc.gov/vaccines/pvhp/ACIP-815.htm>. Clinically significant adverse events that follow immunization should be reported to the Vaccine Adverse Event Reporting System (VAERS). Guidance about how to obtain and complete VAERS form is available at [www.vaers.hhs.gov](http://www.vaers.hhs.gov) or by telephone, 800-332-7967.

## Recommended Adolescent Vaccines

- **Tdap** – protects against tetanus, diphtheria, and pertussis (whooping cough)
- **HPV** – Human papillomavirus – for females only
- **MCV4** – protects against meningococcal disease
- **Influenza** – new for this fall!

## Tdap Vaccine – Who Needs It?

### Adolescent Recommendations:

- Administer at age 11–12 years if the recommended childhood DTP/DTaP vaccination series has been completed and they have not received a Td booster dose.
- Adolescents 13–18 year olds who missed the 11–12 year Tdap or received Td only, are encouraged to receive one dose of Tdap 5 years after the last Td/DTaP dose.



## Tdap Vaccine - Types

- There are two Tdap products available that are approved for different age groups:
  - Adacel (sanofi Pasteur) – for persons 11-64 years of age, and
  - Boostrix (GSK) – for persons 10-18 years of age

## NEW REQUIREMENTS for Adolescents!!

- A booster dose of Tdap vaccine is now required for the following groups:
  - Students attending public school who are entering the 6<sup>th</sup> grade on or after August 1, 2008\*
  - Students not attending public school (i.e., private, home-school, non-traditional schools) who are 12 years of age on or after August 1, 2008\*

\* If five years or more have passed since the last dose of Td.

## NEW REQUIREMENTS for College Students!!

- A booster dose of Tdap vaccine is also required for:
  - Students enrolling in college or university for the first time on or after July 1, 2008 are also required to have a dose of Tdap,
  - If a Td or Tdap vaccine has not been administered within the past 10 years.



## Human Papillomavirus (HPV)



## Human Papillomavirus

- HPV is the most common sexually transmitted disease in the US
- Leading cause of cervical cancer and genital warts



## HPV Vaccine

- Routinely recommended for girls and women between 9 and 26 years of age.
  - Preferred time for vaccination is at 11-12 year old visit, but can be given to girls younger or older
- Important to administer before onset of sexual activity, but females who are sexually active should also be vaccinated



## HPV Vaccine

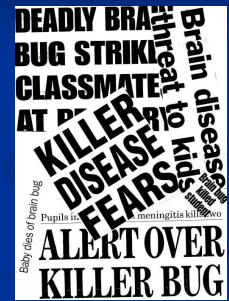
- Three injections over 6 months; Intervals at:
  - 1<sup>st</sup> Dose: Now;
  - 2<sup>nd</sup> Dose: 2 mos. after Dose 1;
  - 3<sup>rd</sup> Dose: 6 mos. after Dose 1.
- Catch up vaccination is recommended for females aged 13-26 years who have not been vaccinated previously or who have not completed the full series.

## Meningococcal Disease



## Meningococcal Disease

- Meningococcal disease is a serious, potentially fatal illness caused by a bacteria.
- Highly contagious disease, spread through air droplets and direct contact with infected persons



## Meningococcal Vaccine

- Routine vaccination of children and adolescents 11-18 years of age is recommended.
  - Vaccine is normally given during preadolescent visit (at 11-12 years of age)
  - Those who did not get the vaccine during this visit should be given it at earliest opportunity.



## Meningococcal Vaccine

- Up to 83% of meningococcal cases in adolescents and young adults are potentially vaccine preventable.
- Only one dose is needed; vaccine has been demonstrated to be safe, and offers protection against 4 of the 5 most common types of meningococcal infection.

## Other Vaccines Adolescents Need



## Other Vaccines Adolescents Need

■ When you see an adolescent in your practice, make sure they are not missing any of the following childhood vaccines:

- Hepatitis B – 3 doses required
- MMR – 2 doses
- Varicella (Chickenpox) – 2 doses
- Influenza (Flu) – 1 dose, every year



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