



## Immunization Bulletin

### Rotavirus: Clarification of Dosing Recommendations for RV5 and RV1

#### Disease Background:

Rotavirus is a frequent cause of severe diarrhea in infants and young children and may be accompanied by vomiting and fever. It is highly communicable and is spread person to person by fecal-oral transmission and fomite contact (contaminated toys or surfaces). Prior to vaccine approval, 95% of children were infected in the US by 5 years of age with 2.7 million cases occurring annually.

#### Vaccination:

The most effective protection from rotavirus is vaccination. Two vaccines are licensed In the US. RV5 (RotaTeq®) is pentavalent and administered in 3 doses and RV1 (Rotarix®) is monovalent and administered in 2 doses. Both vaccines are available throught the VFC program. Children at increased risk include children in childcare centers or hospitals, and immunocompromised persons.

#### ACIP Dose Recommendations:

	RV5 (RotaTeq®)	RV1 (Rotarix®)
Number of Doses	3	2
Recommended Ages for Doses	2, 4, 6 months	2 & 4 months
Minimum Age for Dose 1	6 weeks	
Maximum Age for Dose 1	14 weeks 6 days	
Intervals between Doses	4 weeks – 10 weeks 6 days	
Maximum Age for Last Dose	8 months 0 days	
<i>If any dose in series is RV5, administer 3 doses</i>		
<i>If vaccine product is unknown for any dose in series, administer a total of 3 doses</i>		

#### Additional Recommendations and Contraindications:

- Do not repeat doses if the infants spits out or regurgitates the vaccine.
- Infants who have a documented history of rotavirus infection should still be vaccinated.
- Contraindicated for children with severe allergic reaction to vaccine components or prior dose, are immunocompromised, have recently received blood products, or with acute moderate gastroenteritis or other illness, pre-existing chronic GI disease, and history of intussusception.

#### Additional Information:

MMWR: Prevention of Rotavirus Gastroenteritis Among Infants and Children, February 6, 2009  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5802a1.htm>

Please visit the Healthcare Professional section of our website at: [WWW.SDIZ.ORG](http://WWW.SDIZ.ORG)