POLICY & PRACTICE

Most Newborns Are Now Screened

All 50 states and the District of Columbia now require that every newborn be screened for most life-threatening disorders, although Pennsylvania and West Virginia still are in the process of implementing their expanded programs, according to a report from the March of Dimes. State laws and rules vary, but all states require screening for 21 or more of the 29 serious genetic or functional disorders on the panel recommended by the American College of Medical Genetics, the March of Dimes said in its report. The screening laws and rules are a marked improvement over what they were 3 years ago, when the charity's report card found that only 38% of infants were born in states that required screening for 21 or more of the 29 "core" conditions. Now, 24 states and Washington, D.C., require screening for all 29 disorders, with more states expected to join them this year, the report said. "This is a sweeping advance for public health," Dr. R. Rodney Howell, chairman of the Health and Human Ser-

vices Secretary's Advisory Committee on Heritable Disorders in Newborns and Children, said in a statement.

CPSC Enforces Lead Law

The Consumer Product Safety Commission has begun enforcing a strict new limit on lead reaching children: that consumer products intended for those 12 years and younger cannot have more than 600 parts per million of lead in any accessible part. The rule is a key component of the Consumer Product Safety Improvement Act, approved last year in the wake of multiple toy recalls. In a statement in-

RotaTeq[®] [Rotavirus Vaccine, Live, Oral, Pentavalent] BRIEF SUMMARY OF PRESCRIBING INFORMATION

CONTRAINDICATIONS

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A demonstrated history of hypersensitivity to any component of the vaccine. Infants who develop symp suggestive of hypersensitivity after receiving a dose of RotaTeq should not receive further doses of RotaTeq

WARNINGS AND PRECAUTIONS VARNINGS AND PRECAUTIONS Immunocompromised Populations: No safety or efficacy data are available for the administration of RotaTeq to infants who are potentially immunocompromised including: Infants with blood dyscrasias, leukemia, lymphomas of any type, or other malignant neoplasms affecting the bone marrow or lymphatic system; Infants on immunosuppressive therapy (including high-dose systemic corticosteroids). RotaTeq may be administered to infants who are being treated with topical corticosteroids or inhaled steroids; Infants with primary and acquired immunodeficiency states, including HIV/AIDS or other clinical manifestations of infection with human immunodeficiency viruses; cellular immune deficiencies; and hypogammaglobulinemic and dysgammaglobulinemic states. There are insufficient data from the clinical triats to support administration of RotaTeq to infants with indeterminate HIV status who are born to mothers with HIV/AIDS; Infants who have received a blood transfusion or blood products, including immunoglobulins within 42 days. No data are available regarding potential vaccine wirus transmission from vaccine recipient to nonvaccinated household or other contacts [see Shedding and virus transmission from vaccine recipient to nonvaccinated household or other contacts [see Shedding and

Transmission]. Gastrointestinal IIIness: No safety or efficacy data are available for administration of RotaTeq to infants with a history of gastrointestinal disorders including infants with active acute gastrointestinal illness, infants with chronic diarrhea and failure to thrive, and infants with a history of congenital abdominal disorders, abdominal surgery, and intussusception. Caution is advised when considering administration of RotaTeq to these infants these infants

Intussusception: Following administration of a previously licensed live rhesus rotavirus-based vaccine, an increased risk of intussusception was observed. In REST* (n=69,625), the data did not show an increased risk of intussusception for RotaTeg when compared to placebo. In post-marketing experience, cases of intussusception have been reported in temporal association with RotaTeg. See ADVERSE REACTIONS, Clinical Studies Experience and Post-Marketing Experience.

Shedding and Transmission: Shedding was evaluated among a subset of subjects in REST 4 to 6 days After each does and among all subjects who submitted a stool antigen rotavirus positive sample at any time. RotaTeq was shed in the stools of 32 of 360 [8.9%, 95% CI (6.2%, 12.3%)] vaccine recipients tested after does 0 0 of 249 [0.0%, 95% CI (0.0%, 1.5%)] vaccine recipients tested after dose 2; and in 1 of 385 [0.3%, 95% CI (-0.1%, 1.4%) vaccine recipients after dose 3. In phase 3 studies, shedding was observed as early as 1 day and as late as 1 days after a dose. Transmission was not evaluated. Caution is advised when considering whether to administ RotaTeq to individuals with immunodeficient close contacts such as: Individuals with malignancies or who ar ancies or who are otherwise immunocompromised; or Individuals receiving immunosuppressive therapy. RotaTegis a solution of live reassortant rotaviruses and can potentially be transmitted to persons who have contact with the vaccine. The potential risk of transmission of vaccine virus should be weighed against the risk of acquiring and transmitting natural rotavirus.

Febrile IIIness: Febrile illness may be reason for delaying use of RotaTeq except when, in the opinion of the physician, withholding the vaccine entails a greater risk. Low-grade fever (<100.5°F [38.1°C]) itself and mild upper respiratory infection do not preclude vaccination with RotaTeq. Incomplete Regimen: The clinical studies were not designed to assess the level of protection provided by only one or two doses of RotaTeq.

Limitations of Vaccine Effectiveness: RotaTeg may not protect all vaccine recipients against rotavirus.

Post-Exposure Prophylaxis: No clinical data are available for RotaTeq when administered after exposure to rotavirus.

ADVERSE REACTIONS

ADVERSE REACTIONS Clinical Studies Experience: 71,725 infants were evaluated in 3 placebo-controlled clinical trials including 36,165 infants in the group that received RotaTeq and 35,560 infants in the group that received placebo. Parents/ guardians were contacted on days 7, 14, and 42 after each dose regarding intussusception and any other serious adverse events. The racial distribution was as follows: White (69% in both groups); Hispanic-American (14% in both groups); Black (8% in both groups); Multiracial (5% in both groups); Asian (2% in both groups); Native American (RotaTeq 2%, placebo 1%), and Other (<1% in both groups). The gender distribution was 51% male and 4% female in both vaccination groups. Because clinical trials are conducted under conditions that may not be typical of those observed in clinical practice. Socious Adverse, Eventse: Social adverse events ensured in 24% of conjuncts of PotaTes when

Serious Adverse Events: Serious adverse events occurred in 2.4% of recipients of RotaTeq when compared to 2.6% of placebo recipients within the 42-day period of a dose in the phase 3 clinical studies of RotaTeq. The most frequently reported serious adverse events for RotaTeq compared to placebo were: bronchiolitis (0.6% RotaTeq vs. 0.7% Placebo), gastroenteritis (0.2% RotaTeq vs. 0.3% Placebo), pneumonia (0.2% RotaTeq vs. 0.2% Placebo), fever (0.1% RotaTeq vs. 0.1% Placebo), and urinary tract infection (0.1% RotaTeq vs. 0.1% Placebo).

Deaths: Across the clinical studies, 52 deaths were reported. There were 25 deaths in the RotaTeq recipients compared to 27 deaths in the placebo recipients. The most commonly reported cause of death was sudden infant death syndrome, which was observed in 8 recipients of RotaTeq and 9 placebo recipients.

Intrussusception: In REST 34.837 vaccine recipients of housing and spacebol recipients. Intrussusception: In REST 34.837 vaccine recipients and 34,788 placebol recipients were monitored by active surveillance to identify potential cases of intussusception at 7, 14, and 42 days after each dose, and every 6 weeks thereafter for 1 year after the first dose. For the primary safety outcome, cases of intussusception occurring within 42 days of any dose, there were 6 cases among Rotafer precipients and 5 cases among placebo recipients (see Table 1). The data did not suggest an increased risk of intussusception relative to placebo.

Table 1		
Confirmed cases of intussusception in recipients of RotaTeq a	as compared with placebo	recipients during REST
	RotaTeq (n=34,837)	Placebo (n=34,788)
Confirmed intussusception cases within 42 days of any dose	6	5

Relative risk (95% CI) ⁺	-	1.6 (0.4, 6.4)	-
Confirmed intussusception cases within 365 days of dose 1	13		15
Relative risk (95% CI)		0.9 (0.4, 1.9)	

⁺Relative risk and 95% confidence interval based upon group sequential design stopping criteria employed in REST. Among vaccine recipients, there were no confirmed cases of intussusception within the 42-day period after the first dose, which was the period of highest risk for the rhesus rotavirus-based product (see Table 2).

Table 2 Intussuscention cases by day range in relation to dose in BEST

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	Dos	se 1	Dose 2		Dose 3		Any Dose	
Day Range	RotaTeq	Placebo	RotaTeq	Placebo	RotaTeq	Placebo	RotaTeq	Placebo
1-7	0	0	1	0	0	0	1	0
1-14	0	0	1	0	0	1	1	1
1-21	0	0	3	0	0	1	3	1
1-42	0	1	4	1	2	3	6	5

All of the children who developed intussusception recovered without sequelae with the exception of a 9-month-old male who developed intussusception 98 days after dose 3 and died of post-operative sepsis. There was a single case of intussusception among 2,470 recipients of RotaTeq in a 7-month-old male in the phase 1 and 2 studies (716 placebo recipients).

^{*}Rotavirus Efficacy and Safety Trial

Hernatochezia: Hematochezia reported as an adverse experience occurred in 0.6% (39/6,130) of vaccine and 0.6% (34/5,560) of placebo recipients within 42 days of any dose. Hematochezia reported as a serious adverse experience occurred in <0.1% (4/36,150) of vaccine and <0.1% (7/35,536) of placebo recipients within 42 days of any dose.

Az days of any dose. Seizures: All seizures reported in the phase 3 trials of RotaTeq (by vaccination group and interval after dose) for RotaTeq compared to placebo, respectively, were: days 1-7 (10 vs. 5), days 1-14 (15 vs. 8), and days 1-42 (33 vs. 24). Seizures reported as serious adverse experiences occurred in -0.1% (27/36,150) of vaccine and -0.1% (18/35,536) of placebo recipients (not significant). Ten febrile seizures were reported as serious adverse experiences, 5 were observed in vaccine recipients and 5 in placebo recipients.

Kawasaki Disease: In the phase 3 clinical trials, infants were followed for up to 42 days of vaccine dose Kawasaki disease was reported in 5 of 36,150 vaccine recipients and in 1 of 35,536 placebo recipients with unadjusted relative risk 4.9 (95% Cl 0.6, 239.1).

Most Common Adverse Events

Solicit

Solicited Adverse Events: Detailed safety information was collected from 11,711 infants (6,138 recipients of RotaTeq) which included a subset of subjects in REST and all subjects from Studies 007 and 009 (Detailed Safety Cohort). A Vaccination Report Card was used by parents/guardians to record the child's temperature and any episodes of diarrhea and vomiting on a daily basis during the first week following each vaccination. Table 3 marizes the frequencies of these adverse events and irritability.

ited adverse experiences within the first week after do	oses 1, 2, and 3 (Detailed	Safety Cohort)
lable 3	3	

	Dose 1		Dos	se 2	Dose 3	
Adverse experience	RotaTeq	Placebo	RotaTeq	Placebo	RotaTeq	Placebo
	n=5,616	n=5,077	n=5,215	n=4,725	n=4,865	n=4,382
Elevated temperature [±]	17.1%	16.2%	20.0%	19.4%	18.2%	17.6%
	n=6,130	n=5,560	n=5,703	n=5,173	n=5,496	n=4,989
Vomiting	6.7%	5.4%	5.0%	4.4%	3.6%	3.2%
Diarrhea	10.4%	9.1%	8.6%	6.4%	6.1%	5.4%
Irritability	7.1%	7.1%	6.0%	6.5%	4.3%	4.5%

and 2 degrees F to axillary temperatures

and 2 degrees r to axiliary temperatures Other Adverse Events: Parents/guardians of the 11,711 infants were also asked to report the presence of other events on the Vaccination Report Card for 42 days after each dose. Fever was observed at similar rates in vaccine (N=6,138) and placebo (N=5,573) recipients (42.6% vs. 42.8%). Adverse events that occurred at a statistically higher incidence (ie, 2-sided p-value 40.05) within the 42 days of any dose among recipients of RotaTeq (N=6,138) as compared with placebo (N=5,573) recipients, respectively, include: diarrhea (24.1% [n=1,479] vs. 21.3% [n=1,186], vomiting (15.2% [n=929] vs. 13.6% [n=758]), otitis media (14.5% [n=887] vs. 13.0% [n=724]), nasopharyngitis (6.9% [n=422] vs. 5.8% [n=325]), and bronchospasm (1.1% [n=66] vs. 0.7% [n=40]). [n=274]), nasopharyngitis (6.9% [n=422] vs. 5.8% [n=25]), and bronchospasm (1.1% [n=66] vs. 0.7% [n=40]). Safety in Pre-Term Infants: RotaTeq or placebo was administered to 2,070 pre-term infants (25 to 36 weeks gestational age, median 34 weeks) according to their age in weeks since birth in REST. All pre-term infants were followed for serious adverse experiences; a subset of 308 infants was monitored for all adverse experiences. There were 4 deaths throughout the study, 2 among vaccine recipients (1 SIDS and 1 motor vehicle accident) and 2 among placebo recipients (1 SIDS and 1 unknown cause). No cases of intussusception were reported. Serious adverse experience was bronchiolitis, which occurred in 1.4% of vaccine and 2.0% of placebo recipients. Parents/guardians were asked to record the child's temperature and any episodes of vomiting and diarrhea daily for the first week following vaccination. The frequencies of these adverse experiences and irritability within the week after dose 1 are summarized in Table 4.

 Table 4

 Solicited adverse experiences within the first week of doses 1, 2, and 3 among pre-term infants

	Dose 1		Dose 2		Dose 3	
Adverse event	RotaTeq	Placebo	RotaTeq	Placebo	RotaTeq	Placebo
	N=127	N=133	N=124	N=121	N=115	N=108
Elevated temperature [‡]	18.1%	17.3%	25.0%	28.1%	14.8%	20.4%
	N=154	N=154	N=137	N=137	N=135	N=129
Vomiting	5.8%	7.8%	2.9%	2.2%	4.4%	4.7%
Diarrhea	6.5%	5.8%	7.3%	7.3%	3.7%	3.9%
Irritability	3.9%	5.2%	2.9%	4.4%	8.1%	5.4%

Temperature ≥100.5°F [38.1°C] rectal equivalent obtained by adding 1 degree F to otic and oral temperatures and 2 degrees F to axillary temperatures

and 2 begrees r to axinary temperatures Post-Marketing Experience: The following adverse events have been identified during post-approval use of RotaTeq from reports to the Vaccine Adverse Event Reporting System (VAERS). Reporting of adverse events following immunization to VAERS is voluntary, and the number of doses of vaccine administered is not known; therefore, it is not always possible to reliably estimate the adverse event frequency or establish a causal relationship to vaccine exposure using VAERS data. In post-marketing experience, the following adverse events have been reported in infants who have received RotaTeq: *Gastrointestinal disorders*-Intussusception (including death), Hematochezia. Skin and subcutaneous tissue disorders-Uticaria. Infections and infestations-Awasaki disease. Paperating Adverse Compto, Rearche as avardinee the value the value and value avardwase events have been reported on the adverse events and infestations-Kawasaki disease.

Reporting Adverse Events: Parents or guardians should be instructed to report any adverse events to their health care provider. Health care providers should report all adverse events to the US Department of Health and Human Services' Vaccine Adverse Events Reporting System (VAERS). VAERS accepts all reports of suspected adverse events after the administration of any vaccine, including but not limited to the reporting of events required by the National Childhood Vaccine Injury Act of 1986. For information or a copy of the vaccine reporting form, call the VAERS toll-free number at 1-800-822-7967 or report on line to www.vaers.hhs.gov.

DRUG INTERACTIONS

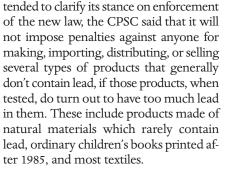
DRUGG INTERACTIONS Immunosuppressive therapies including irradiation, antimetabolites, alkylating agents, cytotoxic drugs and corticosteroids (used in greater than physiologic doses), may reduce the immune response to vaccines. Concomitant Vaccine Administration: In clinical trials, RotaTeq was administered concomitantly with diphtheria and tetanus toxoids and acellular pertussis (DTaP), inactivated poliovirus vaccine (IPV), H. influenzae type b conjugate (Hib), hepatitis B vaccine, and pneumococcal conjugate vaccine [see CLINICAL STUDIES]. The safety data available are in the ADVERSE REACTIONS section [see CLINICAL STUDIES]. There was no evidence for reduced antibody responses to the diphtheria or tetanus toxoid components of DTaP or to the other vaccines that were concomitantly administered with RotaTeq. However, insufficient immunogenicity data are available to confirm lack of interference of immune responses when RotaTeq is concomitantly administered with childhood vaccines to prevent pertussis.

Pediatric Use: Safety and efficacy have not been established in infants less than 6 weeks of age or greater than 32 weeks of age. Data are available from clinical studies to support the use of RotaTeq in pre-term infants accord to their age in weeks since birth. (See ADVERSE REACTIONS, Clinical Studies Experience.) Data are nts according available from clinical studies to support the use of RotaTeq in infants with controlled gastroesophageal reflux disease

available from clinical studies to support the use of Notaleg in intants with controlled gastroesophageal reflux disease Carcinogenesis, Mutagenesis, Impairment of Fertility: RotaTeq has not been evaluated for its carcinogenic or mutagenic potential or its potential to impair fertility. Information for Parents/Guardians: Parents or guardians should be given a copy of the required vaccine information and be given the "Patient Information" appended to the Prescribing Information. Parents and/or guardians should be encouraged to read the patient information that describes the benefits and risks associated with the vaccine and ask any questions they may have during the visit. See PRECAUTIONS and Patient Information. For more detailed information, please read the Prescribing Information. RotaTeq is a registered trademark of Merck & Co., Inc.

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Foster Children's Health Care Varies

Access to health care for foster children varies dramatically from state to state, according to a Government Accountability Office report on health practices in foster care. Some states have increased Medicaid payments to encourage physicians to provide needed care to foster children, while other states have given nurses or other health care managers responsibility for ensuring that children receive necessary health care. Still, the report found that many children in foster care have not received appropriate physical and mental health services, Rep. Jim McDermott (D-Wash.), who requested the report, said in a statement. Rep. McDermott said that the House subcommittee on family support that he chairs will consider additional steps to ensure that foster children receive the care they need.

AAP Backs Drinking Age Campaign

The American Academy of Pediatrics has thrown its support behind federal legislation that would back a minimum legal drinking age of 21 and provide new tools for health care providers to reduce underage drinking. The bill (H.R. 1028), introduced by Rep. Lucille Roybal-Allard (D-Calif.) and Rep. Mary Bono-Mack (R-Calif.), would create a \$22 million annual media campaign to describe the benefits of the 21 minimum drinking age and encourage parental support for such a law. H.R. 1028 would also provide grants to professional pediatric-medical organizations to educate their members on alcohol screening, brief interventions, referral, and treatment. And community antidrug coalitions would get grants to integrate health care providers into underage drinking programs. "The data [are] irrefutable: The 21 minimum legal drinking age saves lives," AAP President David Tayloe said in a statement.

Pediatrician to Head CDC

Pediatrician Richard E. Besser has been named acting director of the Centers for Disease Control and Prevention, succeeding Dr. Julie Gerberding, who stepped down with the change in administrations. Dr. Besser previously served as the epidemiology section chief in the CDC's respiratory diseases branch, as acting chief of the meningitis and special pathogens branch in the National Center for Infectious Disease, and as the medical director of "Get Smart: Know When Antibiotics Work," the CDC's national campaign to promote appropriate antibiotic use. The Obama administration said Dr. Besser will serve as CDC director until a permanent director is named