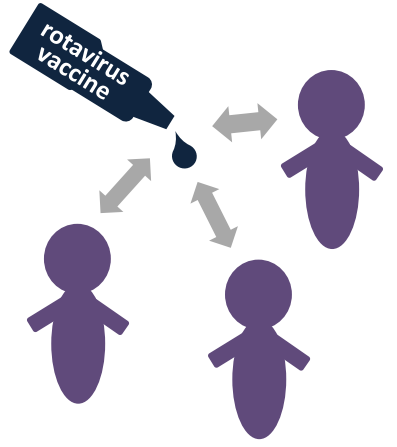


2013 ROTA ROUNDUP

2013 was an unprecedented year for rotavirus vaccines, the best tool to prevent severe rotavirus disease and the deadly, dehydrating diarrhea that it causes.

These important policy initiatives and compelling scientific evidence hold great promise for 2014 and beyond.

1 closing the access gap through policy initiatives

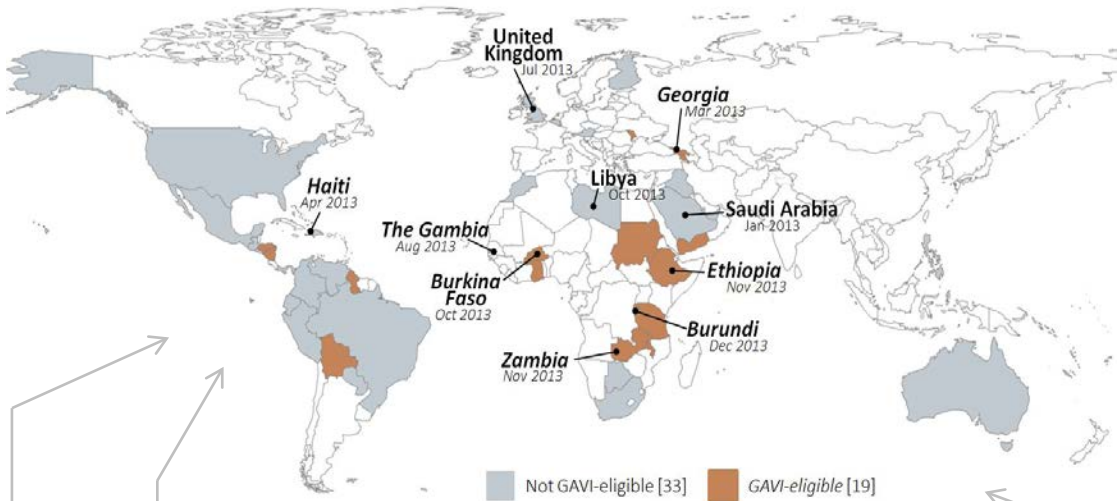


middle-income countries gain access to rotavirus vaccines at lower cost through a new **UNICEF initiative**

relaxed age restrictions in new **WHO position paper** on rotavirus vaccines allow more kids to be vaccinated

2 10 new country introductions of rotavirus vaccines

Country National Immunization Program rotavirus vaccine introductions:
52 total, **10 in 2013**



3 scientific evidence confirming high rotavirus burden and substantial vaccine impact

GEMS results:
rotavirus confirmed as the **#1 cause of moderate-to-severe diarrhea** in kids under 5 in Africa & Asia

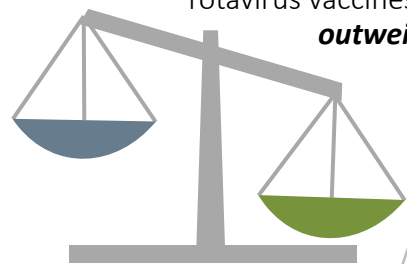
ROTAVAC® Phase III clinical trials results:
new low-cost Indian-made rotavirus vaccine is **safe & efficacious**

Significant impact data from:

- Australia
- Bolivia
- El Salvador
- Honduras
- Mexico
- South Africa
- United States
- Venezuela

diarrhea deaths, hospitalizations & treatment costs

Intussusception data:
life-saving **benefits** of rotavirus vaccines greatly **outweigh risks**



Unanticipated benefits:

infant vaccination may **indirectly protect** older children and adults from severe diarrhea

&

rotavirus vaccines may prevent rotavirus-related **seizures**

