

# The Path to Helping Protect against Childhood Vaccine-Preventable Disease



We introduced a pneumococcal conjugate vaccine in developing countries in 2010, just one year after its introduction in mature markets, a process that usually takes between 10 and 15 years.



Through our partnership with Gavi, we have helped more than 45 eligible countries introduce a pneumococcal conjugate vaccine into their immunization programs.

## Each dose requires:

**1,700**

Pfizer employees



**400**

different raw materials



**580**

manufacturing steps



**678**

quality tests



**2.5** years



To date, we delivered more than **1/4** billion doses.

helping to protect **20** million babies each year.

We have not missed or delayed a shipment.

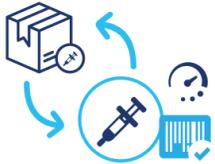
But we aren't stopping there.

The path of a vaccine is long and complex.



We are innovating to better meet the needs of children around the world.

### Security and Accuracy in Transportation, Stocking and Administration:



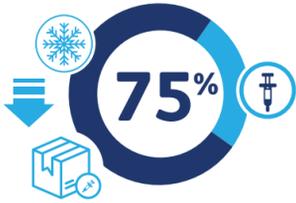
Implementation of 2D barcodes on secondary and tertiary packaging was shown in a recent Nicaraguan pilot to reduce transaction time by **68%** - from **1 minute to 18 seconds** - ensuring accuracy in scanning and helping to move and administer doses more efficiently.

### Education at All Levels:



We are conducting "train the trainer" sessions in **19 countries in 2017** to help central and regional immunization teams, reaching between **200 and 500** health care workers in each country.

### More Doses, Less Cold Chain:



In 2017, Pfizer will introduce a **multi-dose vial (MDV)** presentation of a pneumococcal conjugate vaccine to Gavi countries. With the resulting **75%** reduction in cold chain and shipping material requirements, vaccinators will be able to accommodate **7,200** doses in the same amount of space that previously housed just **1,800** doses.

### Sustainable Investments:



We have been able to once again reduce the price of pneumococcal conjugate vaccines. Each MDV dose now costs just **\$3.05**, down **13%** from our original commitment tail price of **\$3.50**. This price is available to Gavi eligible and Gavi transitioned countries until 2025, allowing us to help protect children in over 45 Gavi countries.

Pfizer is proud to be a partner with Gavi.

