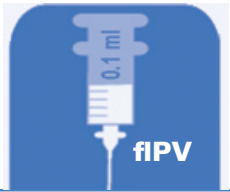








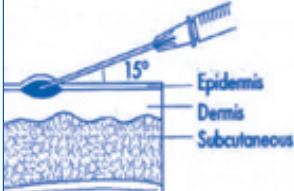

## What is a Fractional Dose of IPV?

A fractional dose of the inactivated polio vaccine (fIPV) is equal to 1/5 of a standard dose. Studies show that two doses of fIPV administered by intradermal injection produce an even stronger immune response than a single full dose of the inactivated polio vaccine (IPV).

In March 2017, the Technical Advisory Group (TAG) on Vaccine-preventable Diseases recommended that all countries using more than 100,000 doses of IPV each year switch to fIPV<sup>3</sup>.

<b>1. When to give fIPV</b>					
	<b>2 months</b>	<b>4 months</b>	<b>6 months</b>	<b>2 booster doses (as per country schedule)</b>	

Fractional IPV (fIPV) should be given at the first and second vaccination visits (usually at 2 and 4 months) along with the other recommended vaccinations (pentavalent, pneumococcal, rotavirus).

<b>2. How to give fIPV</b>				
	<b>IPV vials</b>	<b>0.1 ml dose</b>	<b>Intradermal</b>	<b>Upper arm</b>
	A 5-dose vial, will provide <b>25 fractional doses per vial</b> ; Remember open vials of IPV can be used for up to <b>28 days</b> , as per the multi-dose open vial policy <sup>4</sup> .	A fractional dose is 1/5 of a standard dose = <b>0.1 ml</b>  fIPV is administered with a <b>0.1 ml syringe</b>	fIPV is given as an <b>intradermal injection (ID)</b> , at a 10-15° angle, by the same technique as the BCG injection.	Administer fIPV in the upper arm (opposite to that in which the BCG was given).

**Remember to record IPV administered as fractional dose (fIPV)**

<b>3. Give with other vaccines</b>			
	<b>Saves time and effort</b>	<b>Improves coverage</b>	<b>Healthier children</b>
Help the children in your community by giving the right vaccines at the right time. It will save you time, make the health clinic more efficient, and improve coverage. Most importantly it will protect children from serious and sometimes deadly diseases.			

### Key messages to deliver to caregivers

<p><b>1. fIPV is very safe</b></p> <ul style="list-style-type: none"> <li>Vaccines like IPV protect babies when they need it most.</li> <li>It is safe for your child to get 3 or more injections at one visit.</li> <li>IPV is needed to protect every child and is safe to give at 2 and 4 months.</li> </ul>	<p><b>2. fIPV is very effective</b></p> <ul style="list-style-type: none"> <li>Two fractional doses of IPV (given intradermally) produces even better immunogenicity than a single standard dose (intramuscular).</li> <li>It is very important to bring your child back for the second dose of IPV to ensure full protection!</li> </ul>	<p><b>3. You can lessen pain</b></p> <ul style="list-style-type: none"> <li><b>Hold your baby on your lap.</b> Baby's feet should be between your thighs to help keep baby still. Hold arms still. You can breastfeed while baby is getting vaccinated.</li> <li><b>Get all recommended shots on time.</b> It is better for your child to experience discomfort during one visit, rather than discomfort during two separate visits.</li> <li><b>Be gentle around baby's injection sites.</b> Injection sites may have some redness and feel sore.</li> </ul>	<p><b>4. Baby's vaccines are important</b></p> <ul style="list-style-type: none"> <li>Polio can paralyze your children – but vaccines can protect them from polio.</li> <li>In addition to polio, vaccines can protect your children from other very serious and sometimes deadly diseases.</li> <li>Vaccinations give kids a healthy future.</li> </ul>
---	---	---	--

Source: Global Polio Eradication Initiative, 2017.

<sup>3</sup> "How to Face the Global IPV Shortage". Immunization Newsletter. 2017. Vol. XXXIX. Number 1. Pp. 1-4. Accessible at [www.paho.org/immunization/newsletter](http://www.paho.org/immunization/newsletter)

<sup>4</sup> WHO's Multi-dose Vial Policy, 2014 revision, is accessible in English and French at <http://bit.ly/multidose>