

Q Recently Vaccine derived Polio Come back in a number of Countries. Should India be worried? what should be the response from India? Examine?

Polio is a Crippling and Potentially Lethal Viral infectious disease. There is no cure but can be prevented through immunization. There are two kinds of vaccines to prevent infection. Oral Polio Vaccine (OPV), and injectable Polio Vaccine (IPV). India received Polio-free Certification by World Health Organisation (WHO) in 2014.

In last one year Polio has made a Come back in Countries such as Philippines, Malaysia, Ghana, Mostly Vaccine derived Polio infection. All these Countries wiped the Virus out at various times during last decade.

Reasons for Existence of Polio Virus

Due to Public-Private Partnership and Vaccination efforts, Polio Virus have dropped 99%.

Since 1988 But the Polio virus still not completely eradicate from world. It is easy to control Vaccine-derived Polio virus than wild Poliovirus by proper vaccination at regular interval. Wild Polio virus still only present in Nigeria, Pakistan, Afghanistan.

Major reasons behind Polio spread is due to lack of vaccine immunization efforts, and lack of proper quality of vaccines especially in least developed nations. It is not possible to say once a country is declared Polio free, it is protected completely from future. Out break, Recent Out break of Polio in Philippines is a example.

India and Polio Out break

In 2014 WHO declared India a Polio free nation. But in 2018, Presence of Vaccine derived Polio virus in (Uttar Pradesh) is revealed that India is still not safe.

Year 2 Polio Virus Contamination detected in Maharashtra and Telangana also. India has located between Pakistan, and Afghanistan, both have presence of wild Polio Virus. is enhance the risk of Polio Virus in India.

Indian efforts

1) grass root level awareness about Polio Virus and Vaccination with help of AASRA workers. Participation

2) Paper checks in Immigration Centres of major airports, especially the immigrants from Polio Out break regions.

3) Sanitation and hygiene measures like Swachh Bharat initiatives to reduce the spread of Virus.

Complete eradication of Polio Virus is still a dream to WHO's global Polio Eradication initiative. New technological and research development need on this field for eradicate Virus completely.