

## Polio this week as of 9 September 2015

A case of vaccine-derived poliovirus type 2 (VDPV2) has been reported with onset of paralysis on 20 July 2015 in Bamako city, Mali. The virus was isolated from a 19-month old boy of Guinean nationality. The closest genetic match to this case is from a case from Kankan, Guinea, with onset of paralysis on 30 August 2014. The genetic changes suggest that the cVDPV2 has been circulating for more than 12 months. Discussions are currently ongoing with national health authorities to plan and implement an urgent outbreak response. [More](#)

The Global Polio Eradication Initiative is proud to partner with the [Global Citizen Festival](#) on 26 September, featuring Ed Sheeran, Pearl Jam and other headliners to help fight extreme poverty and inequality around the world, and support approaches that will make life more sustainable for people and the planet

### Wild poliovirus type 1 and Circulating vaccine-derived poliovirus cases

Total cases	Year-to-date 2015		Year-to-date 2014		Total in 2014	
	WPV	cVDPV	WPV	cVDPV	WPV	cVDPV
Globally	39	13	169	34	359	55
- in endemic countries	39	1	151	34	340	52
- in non-endemic countries	0	12	18	0	19	3

### Case breakdown by country

Countries	Year-to-date 2015		Year-to-date 2014		Total in 2014		Onset of paralysis of most recent case	
	WPV	cVDPV	WPV	cVDPV	WPV	cVDPV	WPV	cVDPV
Mali	0	1	0	0	0	0	NA	20-Jul-15
Ukraine	0	2	0	0	0	0	NA	07-Jul-15
Pakistan	30	0	137	18	306	22	17-Aug-15	13-Dec-14
Afghanistan	9	0	8	0	28	0	07-Aug-15	NA
Nigeria	0	1	6	16	6	30	24-Jul-14	16-May-15

Somalia	0	0	5	0	5	0	11-Aug-14	NA
Equatorial Guinea	0	0	4	0	5	0	03-May-14	NA
Iraq	0	0	2	0	2	0	07-Apr-14	NA
Cameroon	0	0	5	0	5	0	09-Jul-14	NA
Syrian Arab Republic	0	0	1	0	1	0	21-Jan-14	NA
Ethiopia	0	0	1	0	1	0	05-Jan-14	NA
South Sudan	0	0	0	0	0	2	NA	12-Sep-14
Madagascar	0	9	0	0	0	1	NA	07-Jul-15

NA: onset of paralysis in most recent case is prior to 2014. Figures exclude non-AFP sources. Madagascar & Ukraine cVDPV1, all others cVDPV2.

cVDPV definition: see document "Reporting and classification of vaccine-derived polioviruses"

at [http://www.polioeradication.org/Portals/0/Document/Resources/VDPV\\_ReportingClassification.pdf](http://www.polioeradication.org/Portals/0/Document/Resources/VDPV_ReportingClassification.pdf). Implementation as of 15 August 2015.

## Afghanistan

One new wild poliovirus type 1 (WPV1) case was reported in the past week in Zaranj district of Nimroz province. This most recent case had onset of paralysis on 7 August. The total number of WPV1 cases for 2015 is now nine.

Intensive and strengthened supplementary immunization activities are planned in the coming months. Subnational Immunization Days (SNIDs) will take place across the south and east of the country on 20 - 22 September using bivalent OPV and National Immunization Days (NIDs) will take place on 18 - 20 October using trivalent OPV.

## Nigeria

No new wild poliovirus type 1 (WPV1) cases were reported in the past week. No cases have been reported in 2015. Nigeria's total WPV1 case count for 2014 remains six. The most recent case had onset of paralysis on 24 July 2014 in Sumaila Local Government Area (LGA), southern Kano state.

No new cases of type 2 circulating vaccine-derived poliovirus (cVDPV2) were reported in the past week. The most recent case had onset of paralysis in Kwali Local Government Area (LGA), Federal Capital Territory (FCT) Abuja, with onset of paralysis on 16 May; this is the only cVDPV2 case reported in Nigeria in 2015.

Subnational Immunization Days (SNIDs) are planned on 17 October using trivalent OPV and on 5 December using bivalent OPV.

## Pakistan

One new wild poliovirus type 1 (WPV1) case was confirmed in the past week in Quetta district of Balochistan. This most recent case had onset of paralysis on 17 August. The total number of WPV1 cases for 2015 is now 30, compared to 137 at this time last year.

No new type 2 circulating vaccine-derived poliovirus (cVDPV2) cases were reported in the past week, and no cases have been reported in 2015. The number of cVDPV2 cases reported in 2014 remains 22. The most recent case had onset of paralysis on 13 December 2014.

Two new environmental samples positive for WPV1 were reported this week: one in Multan district of

Punjab collected on 18 August, and the other in Karachi Gadap Town, Sindh province, collected on 17 August.

Environmental surveillance allows detection of continuing circulation of polioviruses, not just in known infected areas but also in areas without confirmed polio cases. Environmental surveillance continues to be a very helpful supplemental surveillance tool enabling the programme to increase the overall sensitivity of surveillance for polioviruses.

## Central Africa

No new wild poliovirus type 1 (WPV1) cases were reported in the past week. No cases have been reported in 2015. In 2014, 10 cases were reported in central Africa: 5 in Cameroon and 5 in Equatorial Guinea. The most recent case in central Africa was in Cameroon, with onset of paralysis on 9 July.

In September, National Immunization Days (NIDs) are taking place in Angola, Congo, Equatorial Guinea, and Gabon. Subnational Immunization Days are planned for the Central African Republic, Cameroon, Chad and the Democratic Republic of the Congo.

## Horn of Africa

No wild poliovirus type 1 (WPV1) cases have been reported in the past week and no cases have been reported in 2015. The total number of WPV1 cases that were reported in the Horn of Africa in 2014 was 6: 1 in Ethiopia (with onset of paralysis on 5 January) and 5 in Somalia. The most recent case of WPV1 in the Horn of Africa had onset of paralysis on 11 August 2014 in the Hobyo district of Mudug province, central Somalia.

No cases of type 2 circulating vaccine derived poliovirus (cVDPV2) have been reported in the past week. No cases have been reported in 2015. In 2014, 2 cases were reported in South Sudan. The most recent case of cVDPV2 had onset of paralysis in South Sudan on 12 September 2014.

Subnational Immunization Days (SNIDs) are planned in Somalia from 14 – 17 September. Supplementary immunization activities will also take place in Djibouti, Ethiopia and Kenya with dates to be confirmed.

## Madagascar

No new cases of circulating vaccine-derived poliovirus type 1 (cVDPV1) were reported in the past week. The most recent case had onset of paralysis in Mahajanga 1 district of Mahajanga province with onset of paralysis on 7 July. The total number of cVDPV1 cases for 2015 remains nine. The total number of cVDPV1 cases reported in 2014 was one.

The 2015 cases are genetically linked to the case reported in September 2014, indicating prolonged and widespread circulation of the virus. Learn more about vaccine derived polioviruses [here](#).

One new cVDPV1 positive was reported this week from community based sampling in Analalava district of Sofia province.

The emergency outbreak response continues to be intensified. A second round of National Immunization Days (NIDs) are planned for 14 – 18 September, covering an expanded age group of up to 15 years.

Extended age group NIDs are also planned for 12 – 16 October. Both upcoming NIDs will use bivalent oral polio vaccine.

## Middle East

No new wild poliovirus type 1 (WPV1) cases have been reported in the past week. No cases have been reported in 2015. Three cases of WPV1 were reported in the Middle East in 2014 - 2 in Iraq and 1 in Syria. The most recent case reported from Syria had onset of paralysis on 21 January 2014, while the most recent case in Iraq had onset of paralysis in Mada'in district, Baghdad-Resafa province, on 7 April 2014.

[Phase III](#) of the Middle East outbreak response is continuing to further strengthen vaccination services for vulnerable populations and to strengthen surveillance for polioviruses across the region.

## Ukraine

No new circulating vaccine-derived poliovirus type 1 (cVDPV1) cases have been reported in the past week. The most recent case had onset of paralysis on 7 July in the Zakarpatskaya oblast, in south-western Ukraine, bordering Romania, Hungary, Slovakia and Poland. The number of cVDPV1 cases reported in 2015 remains 2.

Ukraine had been at particular risk of emergence of a cVDPV, due to inadequate vaccination coverage. In 2014, only 50% of children were fully immunized against polio and other vaccine-preventable diseases. Discussions are currently ongoing with national health authorities to plan and implement an urgent outbreak response. [More](#)

## West Africa

No wild poliovirus type 1 (WPV1) cases have been reported in the past week. The most recent WPV1 case in West Africa (excluding Nigeria, one of the three remaining polio-endemic countries) occurred in Tahoua province, Niger, with onset of paralysis on 15 November 2012.

One new circulating vaccine-derived poliovirus type 2 (cVDPV2) case was reported in the past week, with onset of paralysis in Commune III, Bamako, Mali, on 20 July. The virus was isolated from a 19-month old boy of Guinean nationality. The closest genetic match to this case is from a case from Kankan, Guinea, from 30 August 2014. The genetic changes suggest that the cVDPV2 has been circulating for more than 12 months. Discussions are currently ongoing with national health authorities to plan and implement an urgent outbreak response following the cVDPV2 outbreak. [More](#)

National Immunization Days (NIDs) are planned in September in Benin, Burkina Faso, Guinea, Guinea Bissau, Liberia, Mauritania, Niger and Sierra Leone, and Subnational Immunization Days (SNIDs) in Côte d'Ivoire and Mali.