

Epidemiological Report

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Summary

On-going current outbreaks and public health threats

- **COVID-19 (Coronavirus):** Cumulatively, since 18 March 2020 Zambia, has recorded a total of 316,550 confirmed case, 3,348,548 Tested, 311,868 Recoveries and 3,966 COVID-19 death relating to a CFR of 1.26%.
- **COVID-19 Vaccination:** Cumulatively a total of 2,172,746 have been fully vaccinated with the Astra-Zeneca, Sinopharm and Johnson & Johnson vaccines since the commencement of the vaccinations on the 14 April 2021.

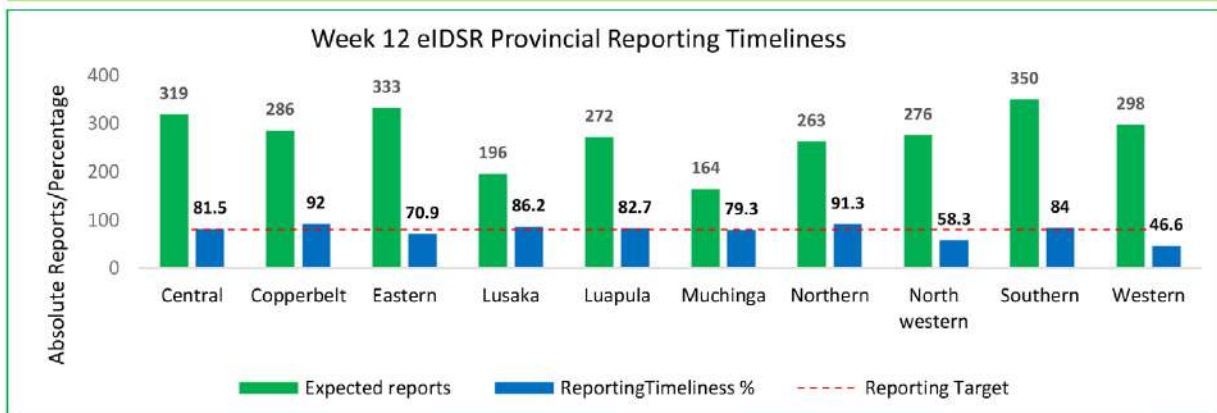
Immediately Notifiable Diseases/Events

- **COVID-19 (Coronavirus):** A total of 598 confirmed cases were reported from Southern (107), Lusaka (103), Central (88), Western (71), Luapula (60), Copperbelt (62), Eastern (34), Northwestern (34), Muchinga (24) and Northern (15) provinces.
- **Maternal Deaths:** Deaths were recorded from Lusaka (4), Central (2), Copperbelt (2), Northern (2) and Southern (2) provinces.
- **Acute Flaccid Paralysis (AFP):** 28 cases were reported from Eastern province (23), Western (1), Luapula (1), Muchinga (1), Northern (1), Northwestern (1), Southern (1) and Western (1) provinces.
- **Measles:** 67 suspected cases were reported from Copperbelt (43), Lusaka (8), Northwestern (8), Central (4), Northern (3) and Eastern (1) provinces.

Other diseases/events

- **Dysentery:** 828 suspected cases were reported Central (324), Southern (118), Eastern (112), Western (61), Lusaka (49), Luapula (48), Copperbelt (41), Muchinga (39), Northwestern (22) and Northern (14) provinces.
- **Typhoid:** 151 suspected cases were reported from Northern (143), Copperbelt (5) and Central (3) provinces.

Electronic (eIDSR) Timeliness & Completeness, Health Facility Level

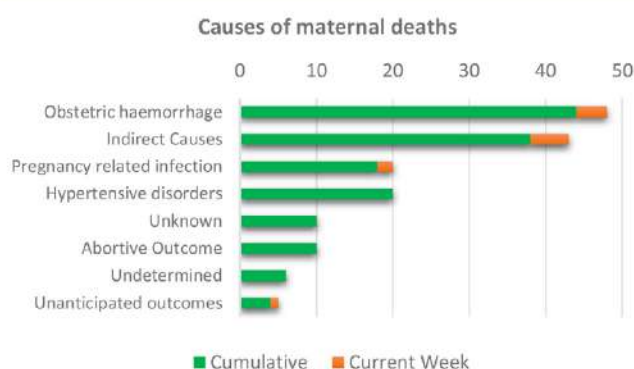


Summary Report Priority Diseases, Conditions and Events (Week 12)

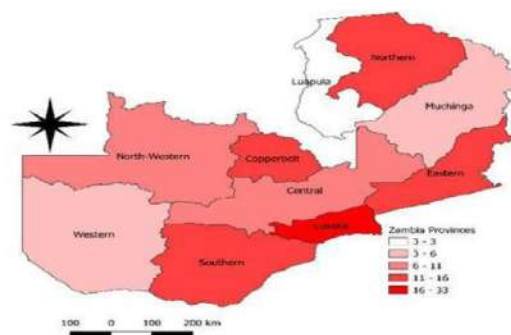
Disease/Event/Condition	Week 12			Week 1-12 Cumulative		
	Suspected	Tested	Confirmed	Suspected	Tested	Confirmed
COVID-19	18,609	18,609	598	372,090	372,090	56,873
AFP	28	28	0	113	113	0
Cholera	0	0	0	108	92	0
Meningitis (Neisseria)	8	1	2	53	28	18
Measles	67	20	42	223	108	50
Neonatal Tetanus	0	N/A	N/A	2	0	0
Plague	0	0	0	0	0	0
Rabies	0	0	0	15	0	0
Dog Bites	294	N/A	N/A	3,593	N/A	N/A
Dysentery	828	16	10	8,561	373	68
Typhoid Fever	151	61	14	1,180	561	53
Yellow fever	0	0	0	1	0	0
VHF	0	0	0	0	0	0
Anthrax	0	0	0	9	1	0
Trypanosomiasis	0	0	0	194	123	7
Influenza	41	5	0	826	681	13
Non-Bloody Diarrhoea	14,043	429	0	146,085	4,052	0
Schistosomiasis (Bilharzia)	346	99	17	3,004	994	191
Malaria	219,958	219,100	11	2,099,217	2,014,819	968,636
HIV	30,386	28,819	1,767	297,337	282,956	17,668
Maternal Deaths	12	N/A	N/A	172	N/A	N/A
Tuberculosis	5,927	5,605	347	54,909	51,326	3,552

Maternal Deaths

Week 12



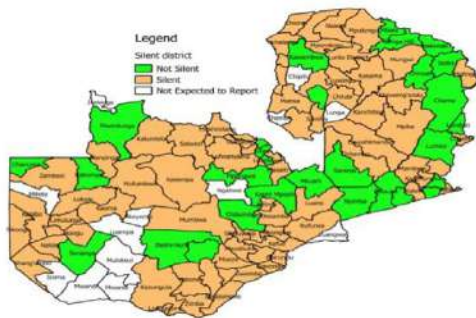
Maternal Deaths by Province (cumulative)



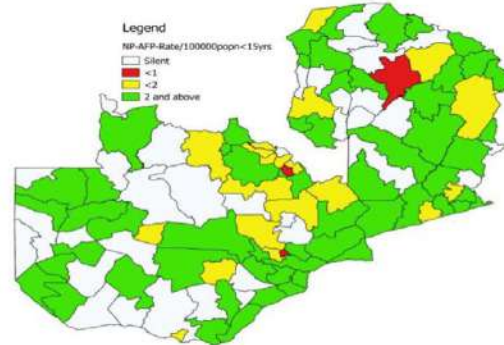
- 12 maternal deaths were registered in the week under review. 0764170860 /0978063799
- Cumulatively, 172 maternal deaths have been reported as of week 12 of 2022.
- While Obstetric hemorrhages (48) and Indirect causes (43) remain to be significant causes of deaths
- The COVID-19 pandemic has put a strain on the provision of essential health services contributing to the observed increase of maternal deaths.

AFP Surveillance

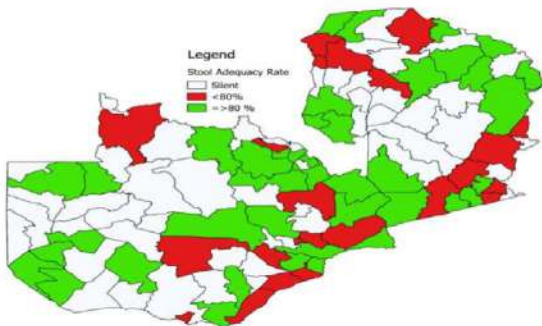
Zambia AFP Silent Districts



Zambia Non-polio AFP Rate/100,000 Pop <15 Yrs



Zambia AFP Stool Adequacy



Summary

- 28 new AFP cases were reported in the week under review, Cumulatively, 113 AFP cases have been reported
- Non-Polio AFP target is 3/100,000 pop below 15years

Poliovirus Environmental Surveillance (ES)

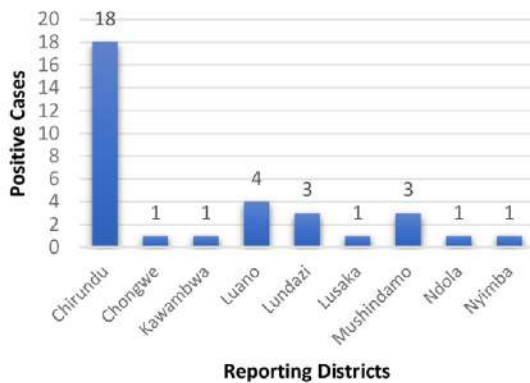
	Week #	1	2	3	4	5	6	7	8	9	10	11	12
Province: Lusaka													
Chelstone Treatment Plant		1	1		2	2	1	2					
Manchinchi Treatment plant		1	1		2	2	1	2					
Ngwerere Treatment Plant		1	1		2	2	1	2					
Kaunda Square treatment Plant		1	1		2	2	1	2					
Province: Copperbelt													
Kanini Treatment Plant		1	2		6	6	2			6	2		
Masala Sewer line		1	2		6	6	2			6	2		
Mindolo Treatment Plant		1	2		3	5	2			6	2		
Nkana East Treatment Plant		1	2		5	6	2			1	2		
Kawama West Sewerage		1	2		6	5	2			6	2		
Mushili Treatment Plant		1	2		5	5	2			5	2		

Key

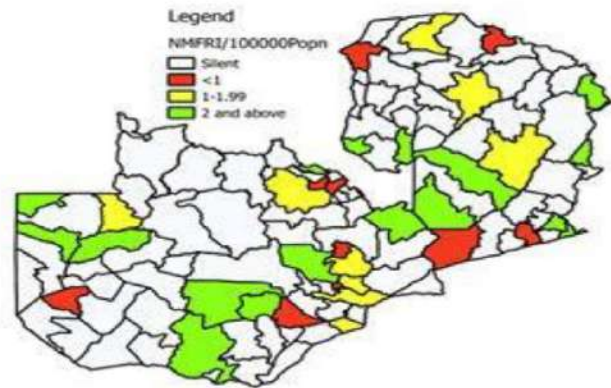
1	Not Scheduled	6	Sabin
2	Pending	7	NPENT - Sabin
3	Negative	8	eVDPV2
4	NEV	9	WPV1
5	NPENT	10	WPV3

Measles Surveillance

Measles IgM Positive Cumulative Cases



Non-Measles Febrile Rash Illness by district

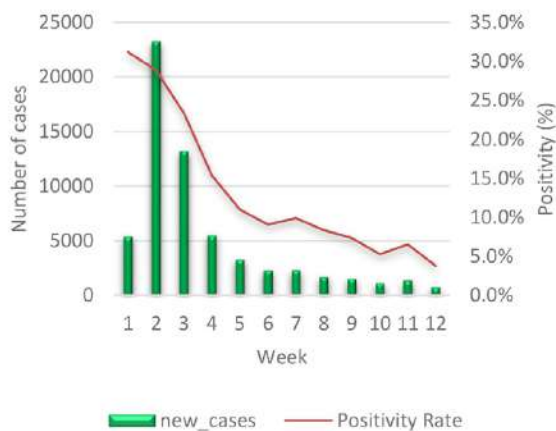


- Eight (8) new suspected case were reported in the week under review. Cumulatively, 156 Measles suspected cases have been reported.
- As of week 12 of 2022 nine districts have reported Measles IgM positive cases with Chirundu district reporting the highest with 18 cases. Cumulatively, 33 measles IgM positive cases have been reported.

COVID-19

Week 12

New cases and positivity rate



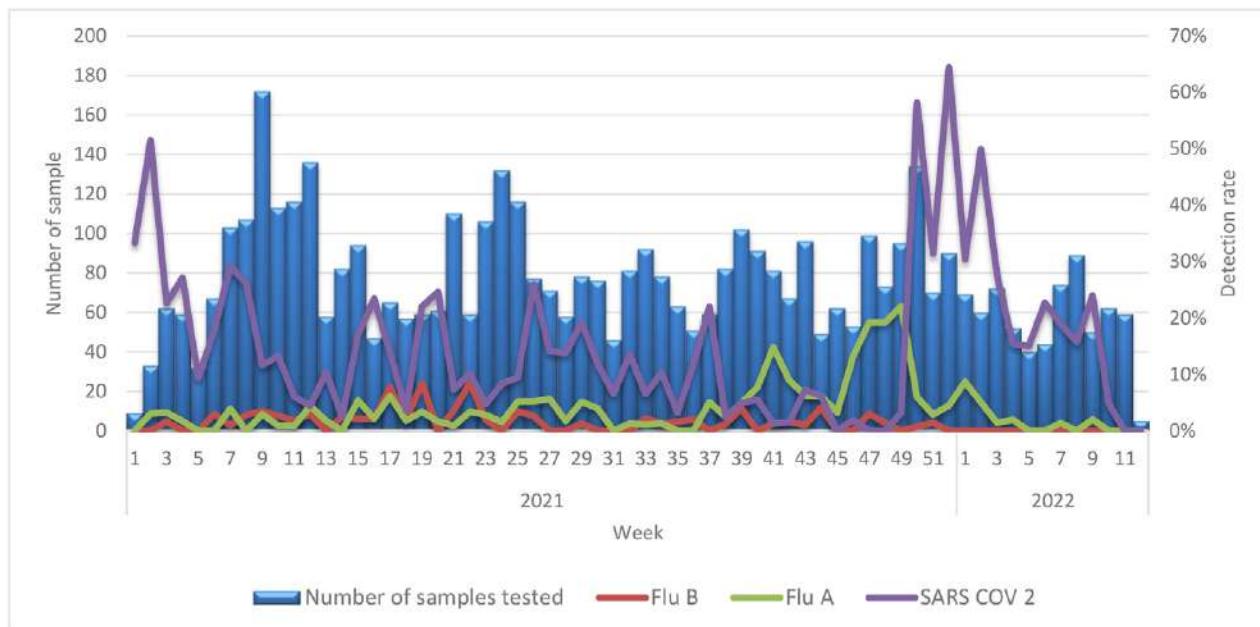
Deaths and CFR



Summary

- The highest positivity rate recorded since the onset of the pandemic was in week 52 (27 Dec 2021– 02 Jan 2022) with an average of 32% positivity
- Sample positivity has had a decline as observed in the current reporting Week averaging 10%.
- A total of 19,199 samples were tested in week 12 representing a 9% decrease from the number tests conducted in week 11. From the samples tested, 727 were positive which represents a 47% decrease from the number of confirmed cases recorded in week 11.
- The average positivity rates in the week under review was 3.8%.
- Week 12 however recorded 4 COVID-19 deaths which was up by 400% from the 1 death recorded in week 11.
- Cumulatively, 2,172,746 clients have been fully vaccinated against COVID-19 since the inception of the vaccinations.

Influenza Detection rate per epi-week 12



- Samples tested per epi-week of 2021 – 12th week of 2022, from ILI/SARI cases investigated at Ndola, Lusaka, Nakonde and Livingstone sentinel sites.

Global/Regional/Public Health Events (Cases/Case Fatality Rate)

Anthrax	Measles	Cholera	Poliomyelitis	COVID-19
ZAM: 22 CFR 0.0%	MOZ: 3,017 CFR 0.0%	TAN: 30 CFR 13.3%	Malawi: 1 CFR 0.0%	Global: 482,630,398 CFR 1.3%
DRC: 11 CFR 18.2%	DRC: 17,149 CFR 2.0%	Malawi: 34 CFR 8.8%		Africa: 8,192,412 CFR 2.1%

COVID-19 WHO African Region

- The Coronavirus Disease 2019 (COVID-19) outbreak continues to evolve in the WHO African Region,
- The total number of confirmed cases in the Region is now at 8,192,142 with 170,100 deaths (case fatality rate 2.1%).
- Currently, there are more than 7.5 million recoveries in the region, giving a recovery rate of 92.0% of confirmed case patients.

***For more information, lookup the [WHO Weekly Bulletin on Outbreaks and other emergencies](#) and for Global Updates on the corona virus COVID19 lookup John Hopkins dash board on <https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html?>

Public Health Actions

Planned Surveillance Activities

- Strengthen COVID-19 surveillance in all provinces while upholding the five golden rules of COVID- 19 prevention measures as stipulated below.
 - ◊ Mask up in public
 - ◊ Maintain physical distance
 - ◊ Wash hands frequently or use hand sanitizer
 - ◊ Avoid crowded places and stay at home
 - ◊ Seek medical attention early if symptomatic.
- ◆ Increase coverage of use of COVID-19 tracker
- ◆ Sustain surveillance for all non-COVID-19 related conditions and public health events

Response to Wild Polio Virus in Malawi

- All provinces to strengthen AFP surveillance using available technological tools and geo code all cases detected.
- All districts are expected to conduct health facilities integrated supervisory active searches at priority sites as per recommended schedule.
- Non-polio AFP rate adjusted to 3/100,000 for all districts
- Environmental surveillance to be established in Eastern Province; Copperbelt and Lusaka sites to collect specimens weekly

Heightened Surveillance in COVID– 19 High Risk Districts

- Surveillance (including Event Based Surveillance) is being actively conducted at POEs, health facilities, and sentinel sites.
- Screening facilities have been set up at POEs.
- Additional thermal scanners have been procured and placed at the POEs to avoid over-crowding and enhance social distancing; set up/identification of designated quarantine facilities to enforce guidelines on quarantine.
- Isolation facilities have also been set up in all high risk districts across the ten provinces;
- Provincial epidemic preparedness committees to engage all relevant government stakeholders and Multisector partners required to prevent, control and stop transmission of COVID– 19.

Global Alert of the Coronavirus & Preparedness

- Orientation of staff at points of entry on COVID-19 in all provinces has been conducted.
- Screening at all points of entry to be strengthened especially at international points of entry.
- Circulation of awareness materials to the public and health personnel is being done.
- Report all suspected cases to nearest health facility immediately.
- Daily monitoring & 14 day quarantine of all suspected cases and contacts to known positives from high risk countries is mandatory.
- Case definitions to be made available and other IEC materials in health facilities and public places.
- A call centre has been established at ZNPHI and DMMU and all queries should be channeled to the following numbers: **909/+260 96 4638726/+260 974493553/+260 95 3898941.**

Reported by Surveillance and Disease Intelligence Unit: Prof Roma Chilengi, Dr Muzala Kapina, Moses Banda, Lilian Lamba, Moses Mwale, Chilufya Mulenga, Iness Chiwaula, and Vivian Mwale.