

Epidemiological Report

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Summary

On-going current outbreaks and public health updates

COVID-19 (Coronavirus): Since March 18, 2020, Zambia has recorded a total of 333,549 confirmed cases, 3,733,167 samples tested, 329,424 recoveries, and 4,017 COVID-19 deaths cumulatively. The country's vaccine coverage now stands at 58.6% from an eligible population of 10,926,800.

Measles: The outbreak continues to evolve in Lusaka, North-western and Southern provinces affecting several districts. Cumulatively, the provinces have recorded 655 measles cases and 31 deaths.

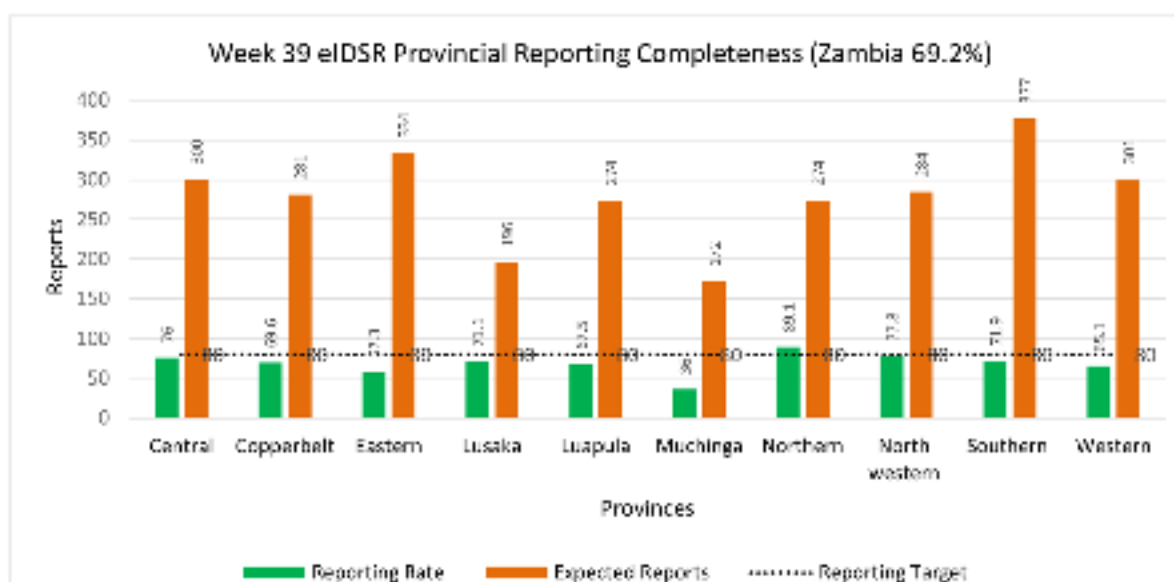
Immediately Notifiable Diseases/Events

- **COVID-19 (Coronavirus):** A total of 5,483 tests were conducted in week 39 resulting in 54 confirmed cases and no deaths.
- **Maternal Deaths:** 15 Deaths were recorded from Central (5), North-Western (4), Lusaka (3), Copperbelt (1), Southern (1) and Western (1) provinces.
- **Measles:** 52 suspected cases were reported from Lusaka (19), Northern (12), Southern (10), Luapula (6), Central (4) and North-western (1) provinces.
- **Acute Flaccid Paralysis (AFP):** 2 case were reported from Copperbelt (1) and Central (1) provinces.

Other diseases/events

- **Dysentery:** 784 suspected cases were reported Southern (174), Central (129), Eastern (92), North-Western (83), Western (76), Northern (67), Luapula (56), Lusaka (50), Copperbelt (41) and Muchinga (16) provinces.
- **Typhoid Fever:** 41 suspected cases were reported from Northern (16), Copperbelt (6), Lusaka (3), and Southern (2) Provinces.

Electronic (eIDSR) Completeness, Health Facility Level

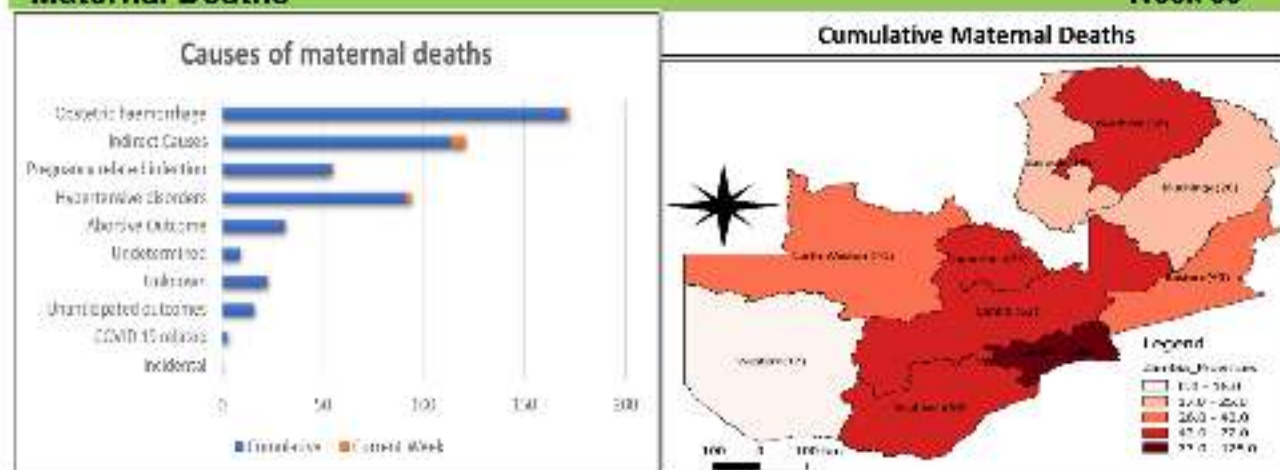


Summary Report Priority Diseases, Conditions and Events (Week 39)

| Disease/Event/Condition | Week 39 | | | Week 1-39 Cumulative | | |
|-----------------------------|-----------|--------|-----------|----------------------|-----------|-----------|
| | Suspected | Tested | Confirmed | Suspected | Tested | Confirmed |
| COVID-19 | 5,463 | 5,463 | 54 | 744,271 | 744,271 | 73,762 |
| AFP | 2 | 2 | 0 | 268 | 268 | 0 |
| Cholera | 0 | 0 | 0 | 163 | 134 | 12 |
| Meningitis (Neisseria) | 0 | 0 | 0 | 112 | 59 | 31 |
| Measles | 52 | 26 | 1 | 1,061 | 751 | 188 |
| Neonatal Tetanus | 0 | N/A | N/A | 8 | 0 | 0 |
| Plague | 0 | 0 | 0 | 0 | 0 | 0 |
| Rabies | 0 | 0 | 0 | 22 | 0 | 0 |
| Dog Bites | 243 | N/A | N/A | 9,492 | N/A | N/A |
| Dysentery | 784 | 49 | 9 | 21,942 | 1,071 | 225 |
| Typhoid Fever | 41 | 41 | 4 | 2,548 | 1,626 | 1,637 |
| Yellow fever | 0 | 0 | 0 | 0 | 0 | 0 |
| VHF | 0 | 0 | 0 | 0 | 0 | 0 |
| Anthrax | 1 | 0 | 0 | 12 | 1 | 0 |
| Trypanosomiasis | 1 | 1 | 1 | 325 | 124 | 8 |
| Influenza | 68 | 68 | 0 | 3,452 | 3,452 | 164 |
| Non-Bloody Diarrhoea | 18,628 | 0 | 0 | 494,400 | 74,407 | 2,980 |
| Schistosomiasis (Bilharzia) | 252 | 81 | 18 | 9,039 | 2,713 | 689 |
| Malaria | 99,814 | 97,898 | 33,641 | 6,063,564 | 5,886,521 | 2,739,001 |
| HIV | 26,408 | 25,404 | 863 | 922,456 | 876,079 | 44,253 |
| Maternal Deaths | 16 | N/A | N/A | 525 | N/A | N/A |
| Tuberculosis | 4,242 | 3,825 | 263 | 172,141 | 161,465 | 11,295 |

Maternal Deaths

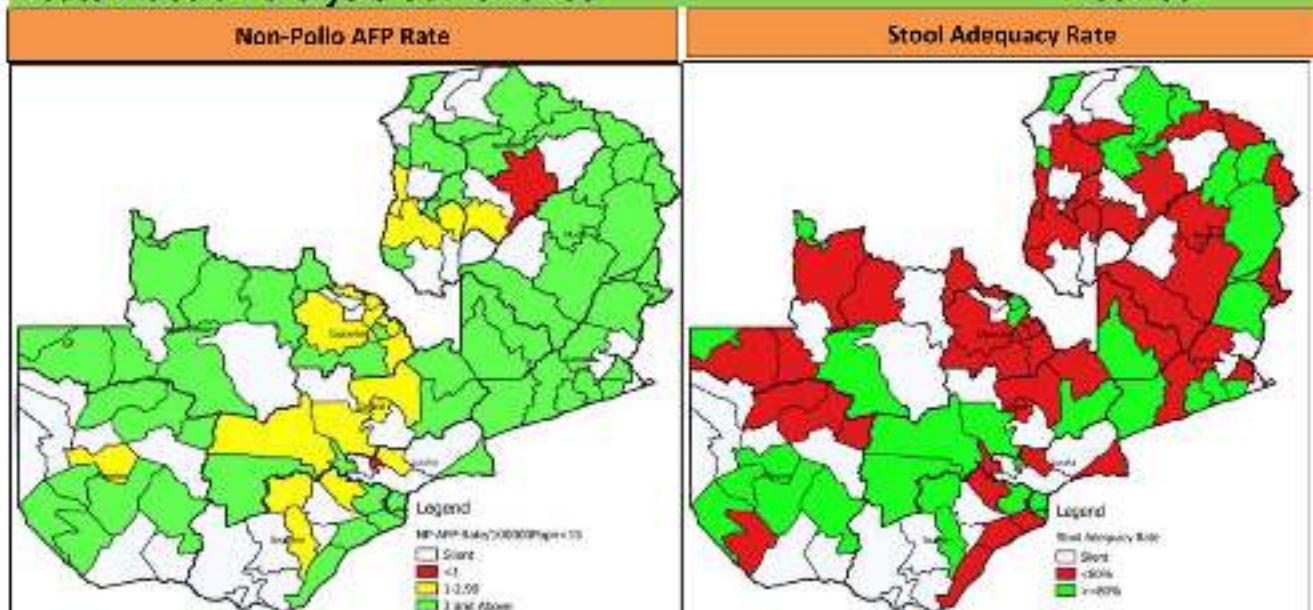
Week 39



- Cumulatively, 525 maternal deaths have been reported as of week 39 of 2022.
- While Obstetric hemorrhages (172) and Indirect causes (121) remain to be significant causes of deaths

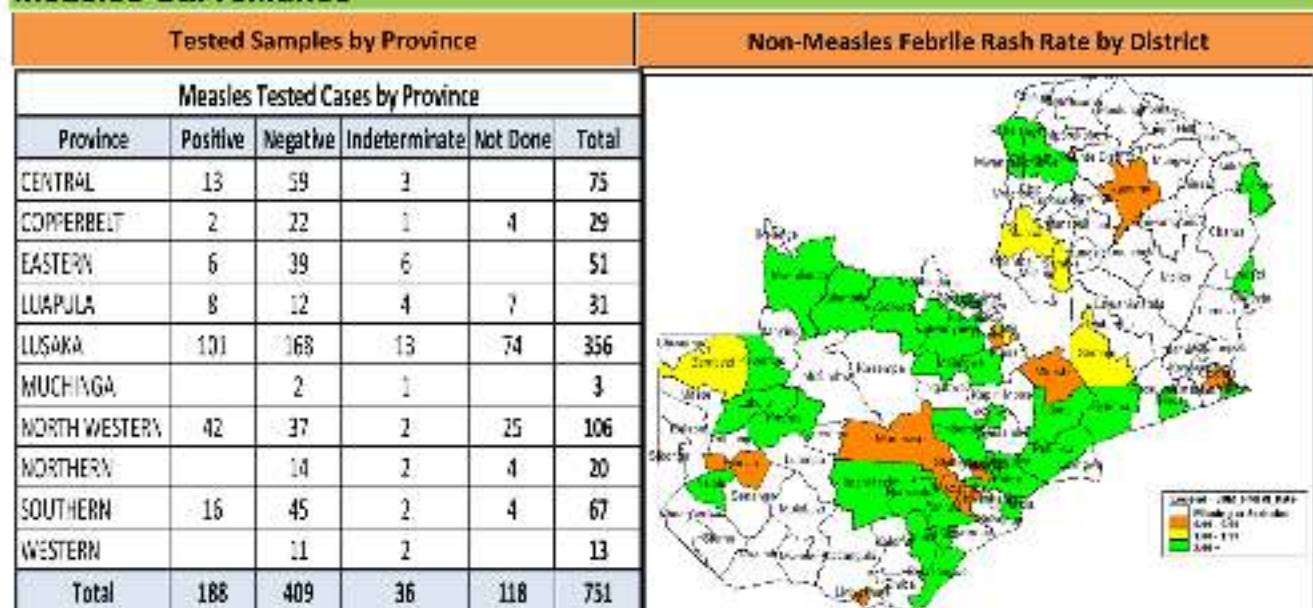
Acute Flaccid Paralysis Surveillance

Week 39

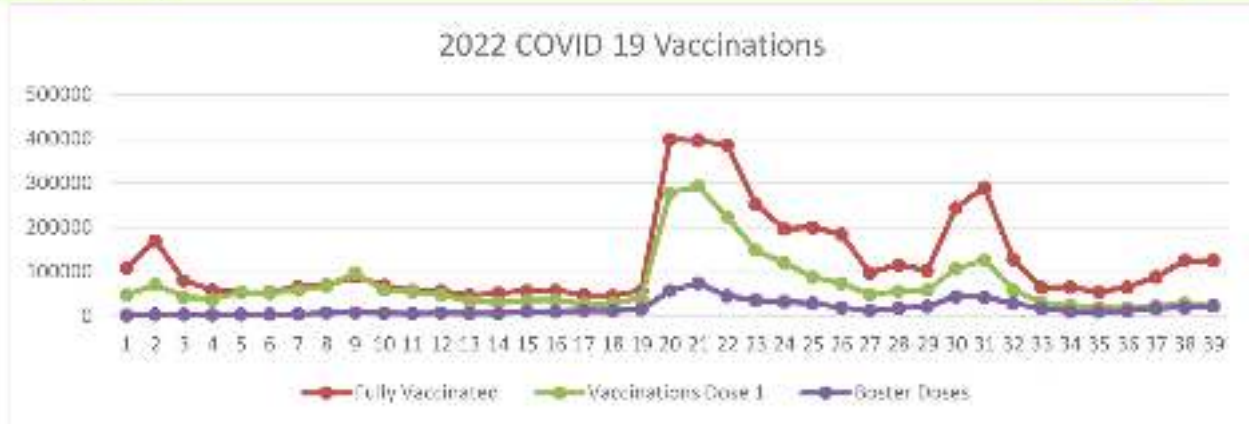


- The country Non-Polio AFP Rate is at 4.0/100,000 children aged under 15 years.
- A total of 268 AFP cases have been reported across the 10 provinces cumulative.
- The country's Stool adequacy rate stands at 64%
- 82 of the 116 districts have reported AFP cases and 32 districts are reported to be silent districts.

Measles Surveillance



- Cumulatively, 751 samples of suspected measles cases have been collected across the 10 provinces.
- The country has recorded a total of 188 confirmed cases. Measles sample positivity is at 25%.
- Lusaka and Northwestern provinces have contributed the highest number of confirmed measles cases
- On the right is a heat map of districts attaining the non-measles febrile rash rate of 2 cases per 100,000 children aged under 15.

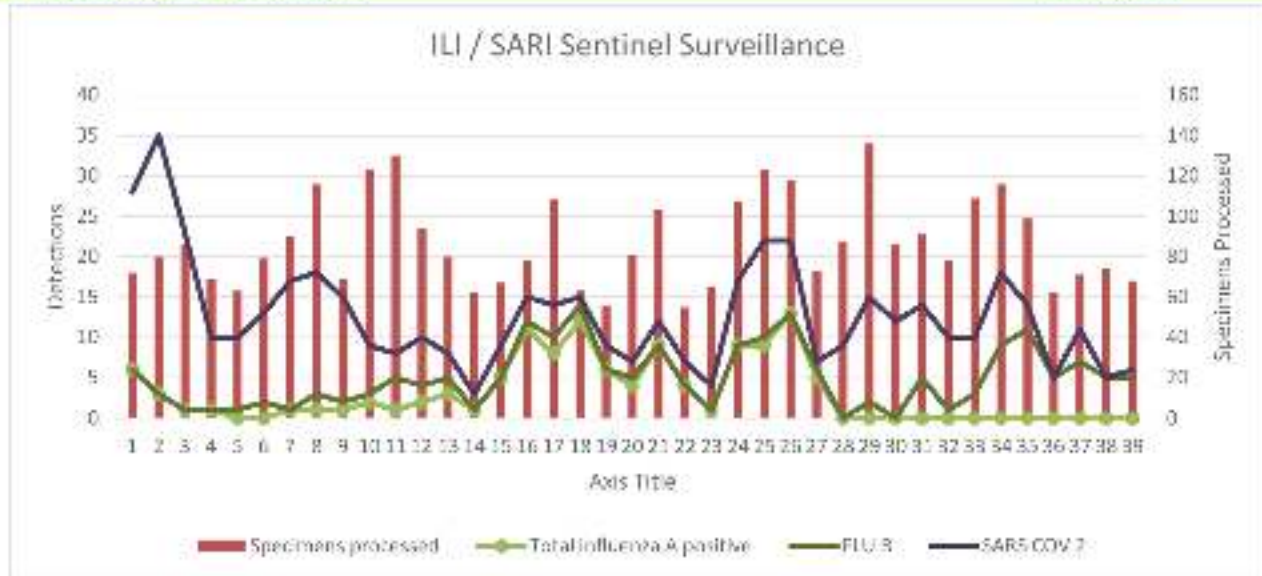


Summary of COVID 19 Indicators

| Indicator | Cum. / Av. (2022) | EW 35 | EW 36 | EW 37 | EW 38 | EW 39 | Trend Line |
|------------------|-------------------|--------|--------|--------|---------|---------|------------|
| Tests Conducted | 744,271 | 10,326 | 8,902 | 5,487 | 6,704 | 5,463 | |
| Confirmed Cases | 73,762 | 262 | 155 | 129 | 114 | 54 | |
| Positivity rate | 6.3% | 2.5% | 1.7% | 2.4% | 1.7% | 1.0% | |
| Deaths | 274 | 1 | 0 | 0 | 0 | 0 | |
| CFR | 0.3% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | |
| Recoveries | 112,503 | 355 | 266 | 192 | 119 | 114 | |
| Admissions | 1,755 | 6 | 6 | 1 | 0 | 1 | |
| Oxygen | 4,258 | 33 | 18 | 4 | 1 | 0 | |
| Critical | 980 | 7 | 5 | 0 | 0 | 3 | |
| Fully Vaccinated | 4,855,176 | 54,270 | 65,450 | 88,313 | 120,997 | 125,470 | |

Summary

- A total of 54 cases were recorded in week 39, representing a 53% decrease from the 114 cases recorded in week 38. The number of tests conducted in week 39 also decreased by 19%.
- No deaths were recorded in week 39.
- A total of 125,470 people were fully immunized in week 39. This continued high number of vaccinations is attributed to the Nationwide COVID-19 vaccination campaign which began in week 20.



- A total of 68 samples were tested in epi-week 39 of 2022, from ILI/SARI cases investigated at Ndola, Lusaka, Nakonde and Livingstone sentinel sites. Of the samples tested, there were five (5) which tested positive for Flue B and one (1) sample tested positive for SARS COV 2.

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

| Ebola | Measles | Cholera | Poliomyelitis | COVID-19 |
|----------------------|----------------------|---------------------------|-----------------------|---------------------------------|
| DRC: 1 CFR 100.0% | TAN: 223 CFR 0.0% | Malawi: 3,246 CFR 3.0% | Malawi: 1 CFR 0.0% | Global: 623,342,683 CFR 1.1% |
| | NAM: 63 CFR 0.0% | | MOZ: 4 CFR 0.0% | |

Major Issues and Challenges in the African Region include:

- As of 39 (week starting 26thSeptember to 1st October 2022), Cumulative global COVID-19 stands at 623,342,683 while fatality rate is at 1.1%
- As of 1st October 2022, there have been 590 confirmed cases of Monkeypox reported in 11 African countries including nine countries in the WHO African region (Nigeria (277), Democratic Republic of the Congo (DRC) (195), Ghana (64), Central Africa Republic (CAR) (8), Cameroon (7), South Africa (5), Benin Republic (3), Congo (5) and Liberia (3) and two in the WHO Eastern Mediterranean Regional Office countries: Sudan (6) and Morocco (3). The CFR stands at 2.6%

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 with the dropping of the COVID-19 mitigation measures.
- ◆ Continue with active case search across the 10 provinces to detect cases of COVID-19
- ◆ Increase coverage of use of COVID-19 tracker application on the DHIS2
- ◆ Outbreak investigations to be conducted in areas reporting suspected outbreaks of Measles.
- ◆ Preparation for round four of the Oral Polio Vaccination Supplementary Immunization Activities in Zambia
- ◆ Sustain surveillance for all IDSR priority diseases, events and conditions

- ◆ Supportive supervision and mentorship to be integrated in other surveillance activities rolling out.

Response to Wild Polio Virus in Malawi and Mozambique

- 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.
- Active Case Search Trainings conducted in all provinces and currently being conducted.
- Non-polio AFP rate adjusted to 4/100,000 for all districts
- Three rounds of the SIA have been conducted since the response to neighboring outbreak commenced.
- Support and Strengthen Polio environmental surveillance in Copperbelt and Lusaka sites to collect specimens weekly.

Heightened Surveillance in Districts Reporting Cases of Measles

- Surveillance (including Event Based Surveillance) is being actively conducted in all districts reporting cases of Measles.
- All districts to be on high alert, as several districts have reported cases of confirmed cases of Measles.
- Targeted immunizations have been commenced in affected districts to raise the immunization coverage and attain optimum immunity.
- IEC materials have been developed and Risk communication teams have been constituted to engage the communities.
- Provincial epidemic preparedness committees to engage all relevant government stakeholders and Multisector partners required to prevent, control and stop transmission of Measles.

Global Alert of the Monkeypox & Preparedness

- Orientation of staff at points of entry on Monkey pox in all provinces to be prioritised.
- Screening at all points of entry to be strengthened especially at international points of entry.
- Awareness materials for public use including factsheets, posters and other IEC materials.
- Report all suspected cases to nearest health facility immediately.
- Isolation centres for suspected and probable cases to be identified.
- Case definitions to be made available and other IEC materials in health facilities and public places.
- A call center has been established at ZNPHI and DMMU and all queries should be channeled to the following numbers: **909/+260 96 4638726/+260 974493553/+260 96 3898941.**

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