



Ethiopian Public Health Institute  
Center for Public Health Emergency Management

Weekly Epidemiological Bulletin

Week 17: April 25 – May 1, 2022

Highlights

- The national surveillance data report completeness and timeliness are 83.1%.
- Number of reported cases of suspected Measles, Malaria, Rabies exposure, Dysentery, Scabies, suspected Meningitis, Epidemic typhus and Typhoid fever cases have shown increment in this week.
- Deaths due to suspected Measles, Severe Acute Malnutrition (SAM), suspected Meningitis, Perinatal deaths, Maternal deaths, Relapsing fever and Epidemic typhus deaths have also shown increment as compared to the previous week.
- A total 147 COVID-19 new cases, 280 suspected Measles cases, 30,442 confirmed & clinical Malaria cases, 7,612 SAM cases, 37 suspected AFP/Polio, 182 Human exposure to rabies cases, 8,219 Dysentery, 2,520 Scabies cases, 134 suspected Meningitis cases, two (2) Neonatal tetanus cases, 89 Relapsing Fever cases, 11 Anthrax case, 10,805 Typhus cases, 29,114 Typhoid fever cases and 14 Chemical Poisoning were reported during this week nationally.
- Eight (8) deaths due to suspected Measles, one (1) death due to Malaria, 15 deaths due to Severe Acute Malnutrition (SAM), 278 Perinatal deaths, 27 Maternal deaths, three (3) death due to suspected Meningitis, two (2) Neonatal deaths, four (4) Relapsing fever deaths and two (2) Relapsing fever deaths were reported in the week.

Table 1: Summary of immediately Notifiable diseases by regions, as of May 1, 2022

Cases/Deaths Summary of Immediately Notifiable Disease/Conditions by Regions									
Region	Susp. AFP/Polio	Anthrax	Susp. Cholera	Maternal_Death	Susp. Measles	Neonatal Tetanus	Perinatal_Death	Rabies_Cases	
Addis Ababa	0	0	0	2	70	0	73	0	
Afar	0	0	0	0	0	0	2	0	
Amhara	7	11	0	5	57	1	77	148	
B. Gumuz	1	0	0	0	34	0	4	0	
Dire Dawa	0	0	0	0	0	0	0	0	
Gambella	0	0	0	0	0	0	0	0	
Harari	0	0	0	0	3	0	6	0	
Oromia	12	0	0	7	60	0	68	13	
Sidama	4	0	0	0	2	0	19	0	
SNNPR	9	0	0	2	1	0	19	14	
Somali	1	0	0	8	49	1	1	0	
SWEPRS	3	0	0	3	4	0	9	7	
<b>Total</b>	<b>37</b>	<b>11</b>	<b>0</b>	<b>27</b>	<b>280</b>	<b>2</b>	<b>278</b>	<b>182</b>	

## Overview

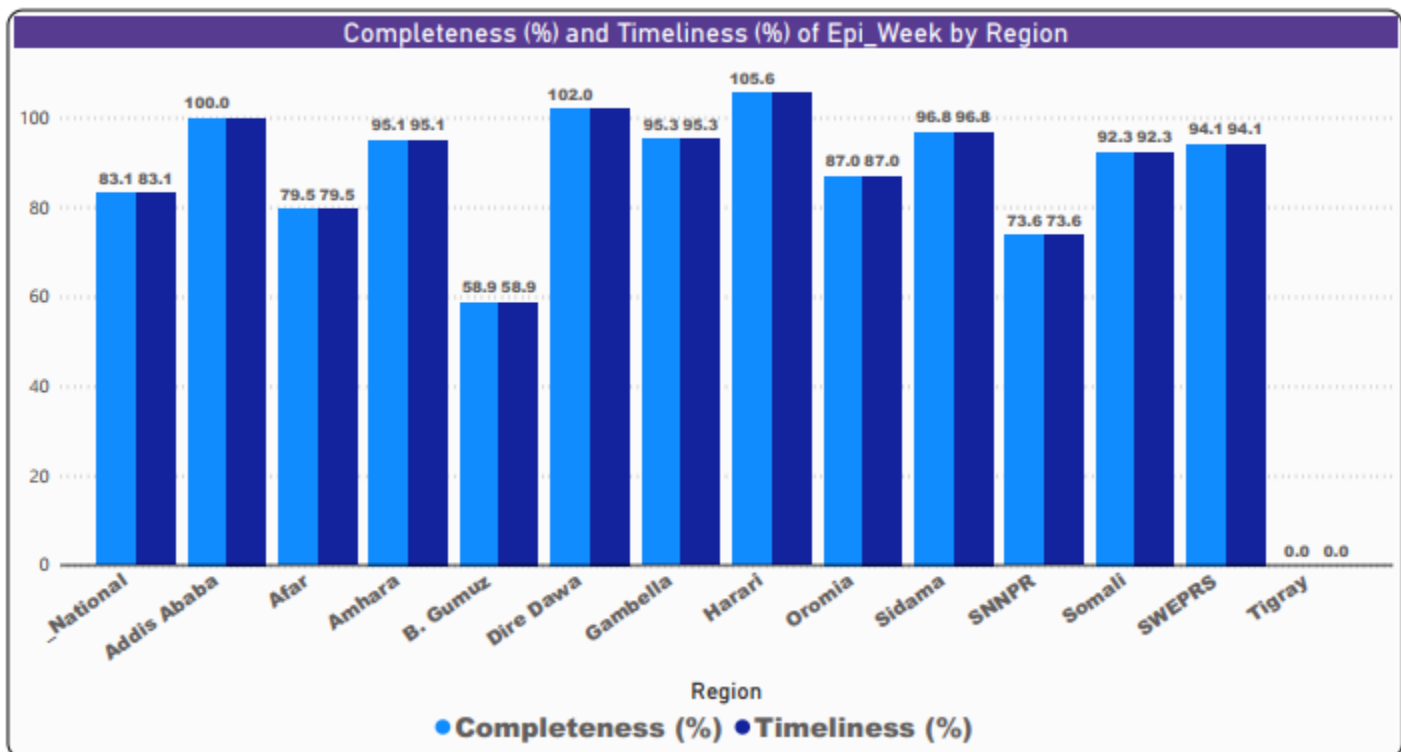
Ethiopia is providing humanitarian assistance where there are displacements and drought, responding to COVID-19 pandemic throughout the country and ongoing outbreaks in different parts of the country. Severe Acute Malnutrition is also affecting the community in some parts of the country in particular where there were conflicts, internal displacement and related emergencies.

In this weekly bulletin the reportable diseases/events, outbreaks and other emergencies will be discussed. All the immediately and weekly reportable diseases including COVID-19 will be entertained in the bulletin.

## Completeness and timeliness of reports

The national surveillance data report completeness and timeliness are 83.1% which is higher than the minimum requirement. All regions except Afar, Benishangul Gumuz, SNNPR and Tigray regional states had achieved above the minimum requirement of 80%. In the week 17, there are no reports from Tigray regional state.

Figure 1: National weekly report completeness and Timeliness by region, week 17, 2022.

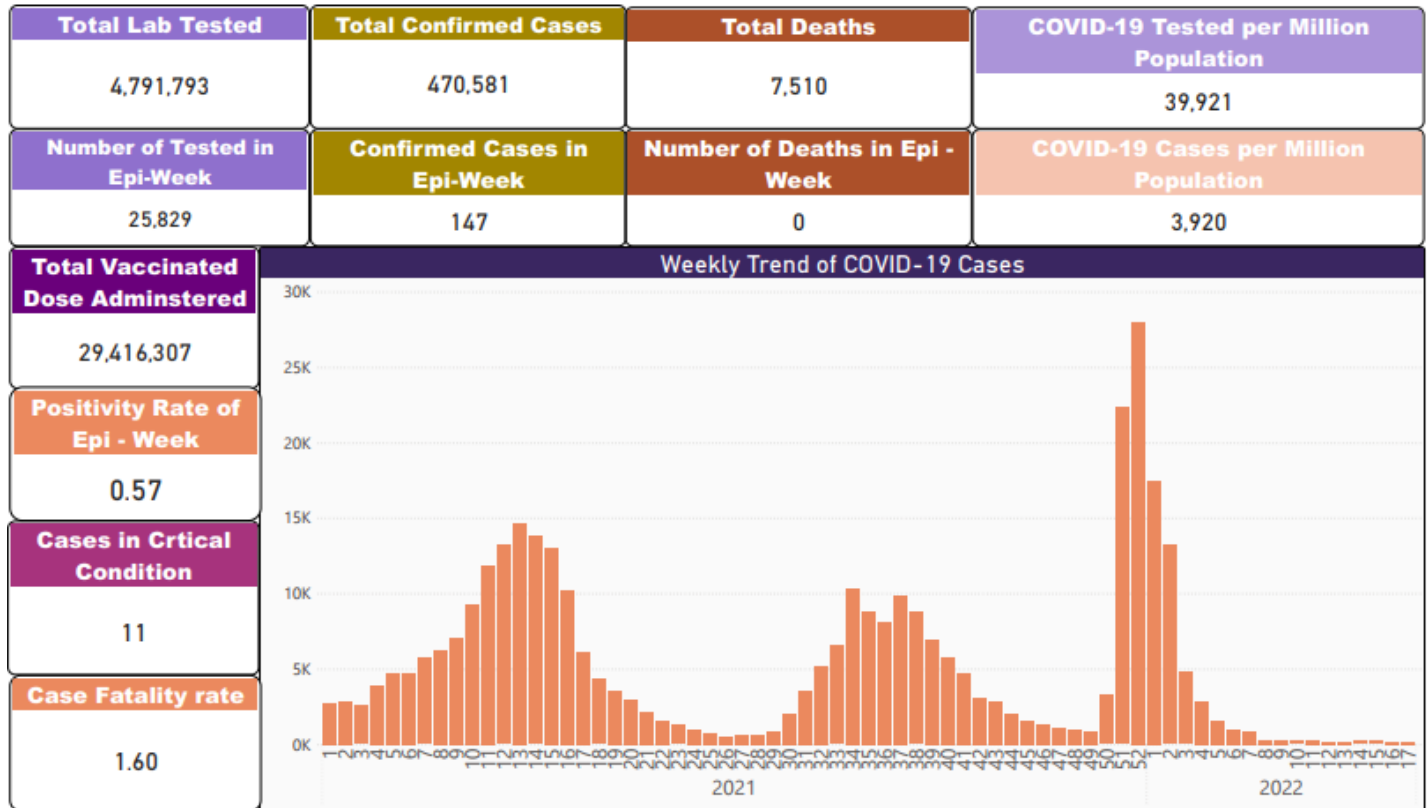


## COVID-19

During the Epi-Week-17, 147 new confirmed COVID-19 cases and no COVID-19 related deaths were reported, bringing the total number of cases and deaths to 470,581 and 7,510, respectively. As a result, the overall COVID-19 Positivity Rate is 1.6% in the country. In this week, the number of COVID-19 confirmed cases decreased by 9% as compared to the previous week.

To date, a total 4,791,793 laboratories across the country samples have tested for COVID-19 of which, 25,829 laboratory tests were processed during the week. The number of laboratory tests conducted during Epi-Week-17 decreased by 11% from the previous week.

Figure 2: Summary of COVID-19 situation in Ethiopia as of May 1, 2022



## Measles

In 2022, as of 01 May a total of 4,687 suspected cases and 34 deaths reported (Case Fatality Rate (CFR) 0.7%). Out of the 280 suspected cases reported, 25% (70 cases) were reported from Addis Ababa city administration followed by Oromia region (21% of the national report) in the week-17 and there is a 21% decrease in the number of new suspected cases compared to previous week. Eight (8) new deaths due to suspected measles was reported in this week.

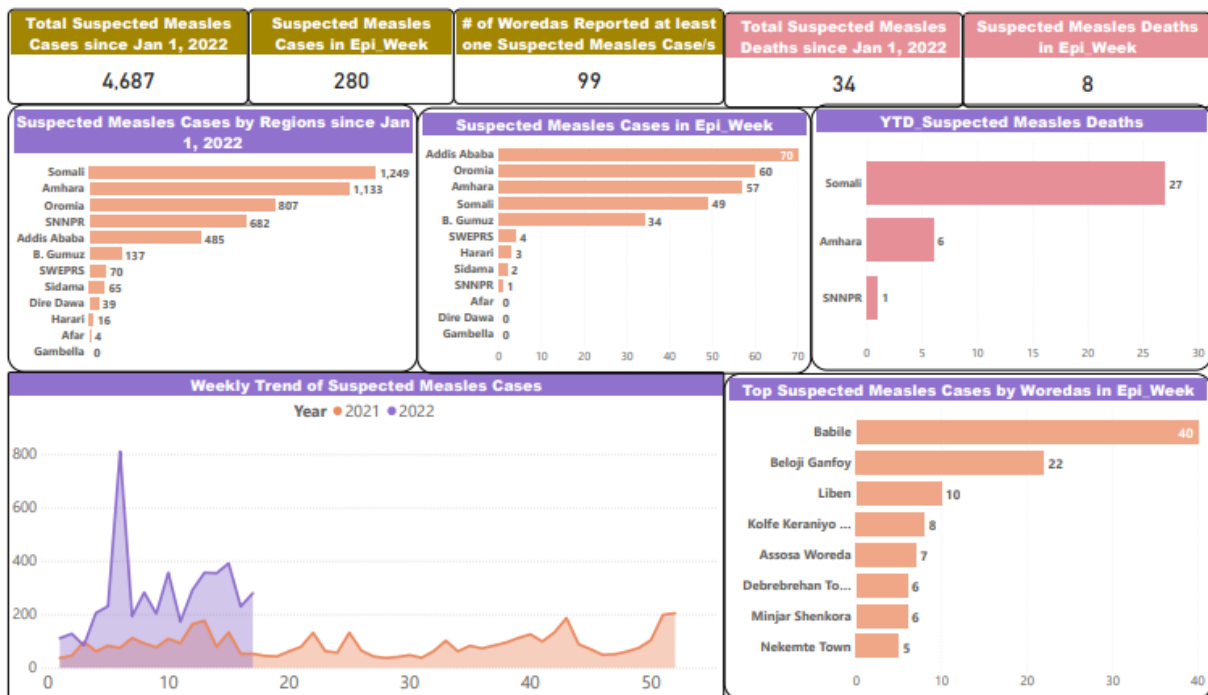


Figure 3: Suspected Measles cases summary in Ethiopia as of May 1, 2022

## Malaria

A total of 30,442 Malaria Epi cases were reported which is a 15% increase compared to previous week of which, 21,414 (70%) were caused by plasmodium falciparum. SNNP region reported the highest number (32% of the total) of malaria cases followed by Amhara region (25% of national report) in this week. There is one (1) new death reported due to malaria in the week.

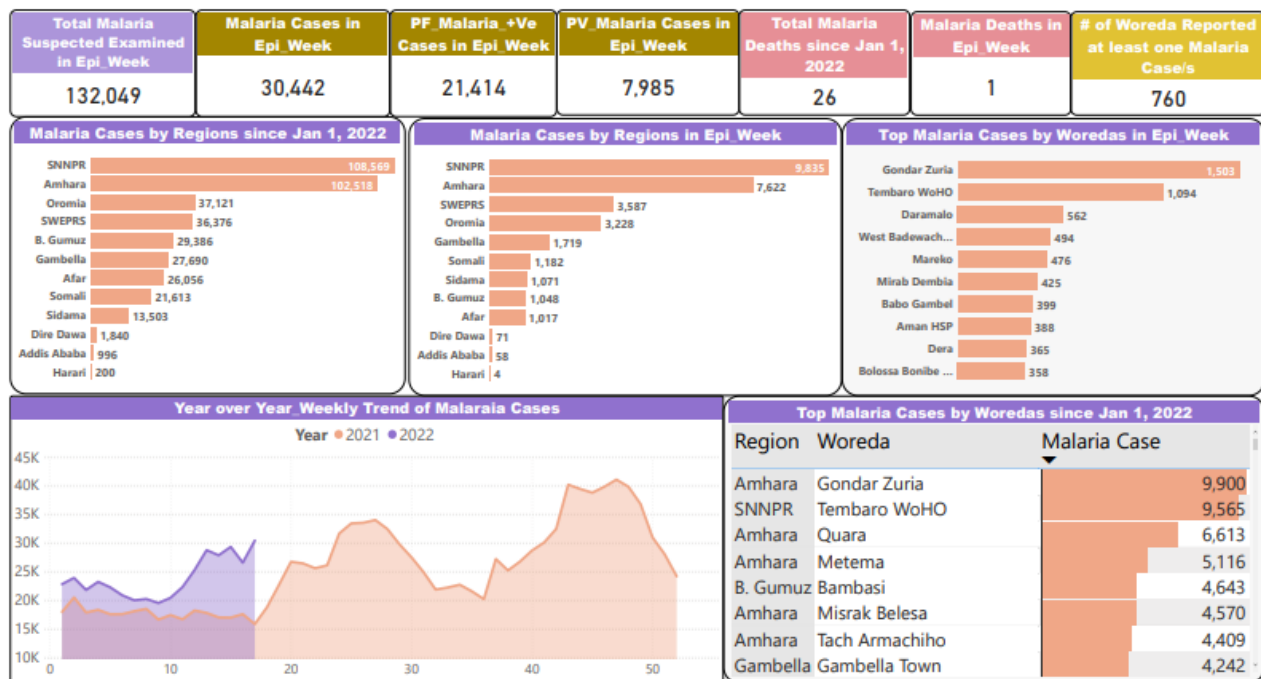


Figure 4: Summary of malaria situation in Ethiopia as of May 1, 2022

## Severe Acute Malnutrition (SAM)

High number of Severe Acute Malnutrition (SAM) cases is reported in 2022 as compared to the same weeks of previous two years based on the report as of May 01, 2022. A total of 136,233 SAM cases and 166 deaths (CFR=0.1%) are reported since January 1, 2022 so far out of which 7,612 cases and fifteen (15) deaths are reported in week-17. There is a 6% decrease in number of SAM cases in this week as compared to the previous week. Oromia region reported the highest number (33% of the national report) of SAM cases in the week followed by Somali region (30% of national report).

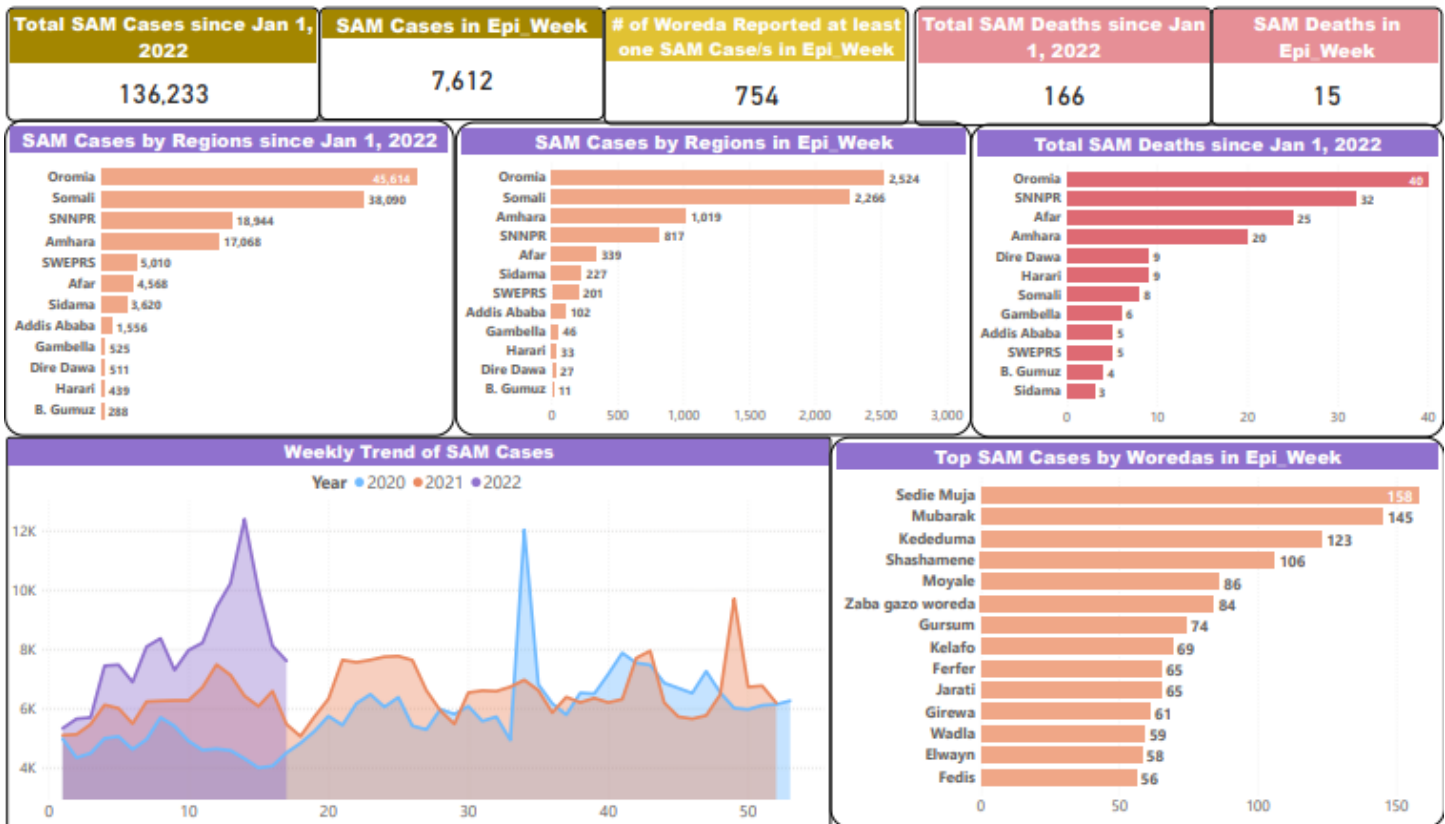


Figure 5: Severe Acute Malnutrition in Ethiopia as of May 1, 2022

## Cholera

A total of 14 suspected cholera cases with no deaths were reported in Ethiopia, since January 01, 2022 with overall CFR of 0%. No new case and death due to suspected Cholera were reported in the week-17 in the country.

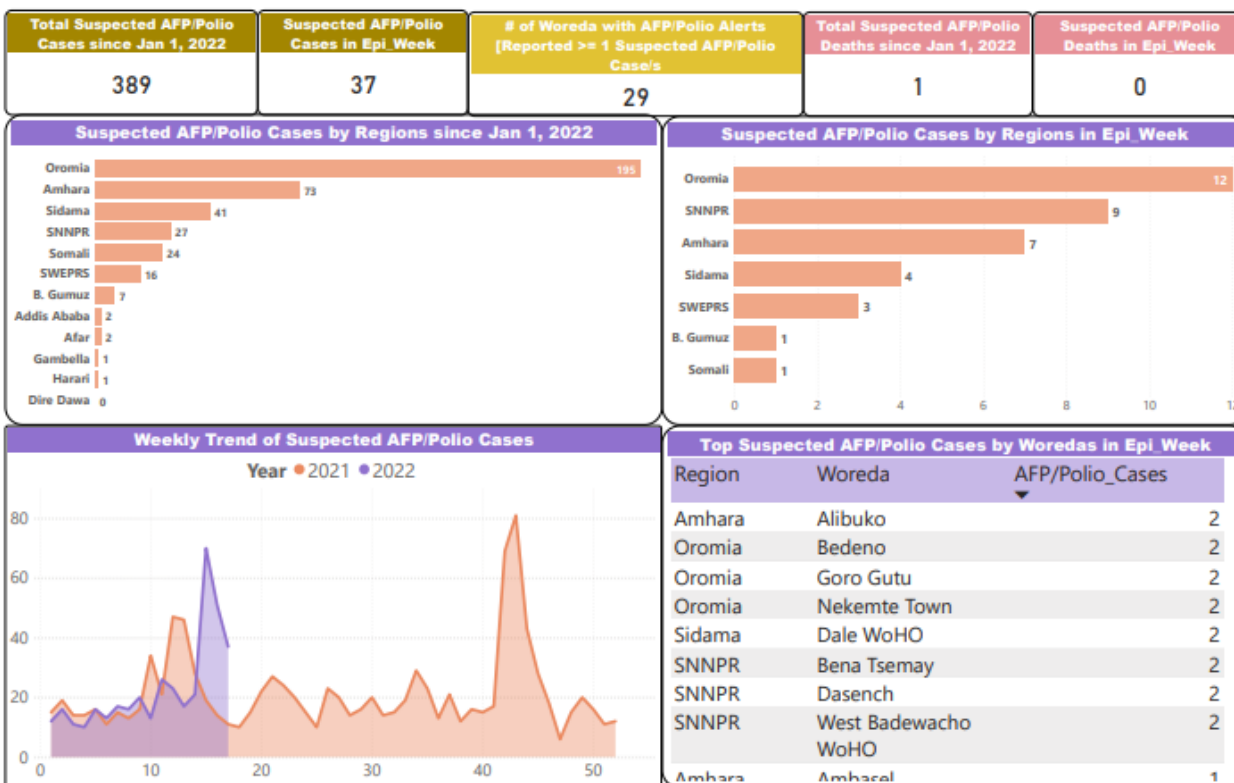


Figure 6: Summary of cholera disease situation in Ethiopia as of May 1, 2022

## Acute Flaccid Paralysis (AFP) /Polio

In this week, 37 suspected AFP/polio cases were reported which is a 27% increase in number as compared to the previous week. No new death due to AFP/Polio reported in this week.

Figure 7: Acute Flaccid Paralysis / Polio status update in Ethiopia as of May 1, 2022



## Perinatal death

As of May 01, 2022 a total of 3,634 perinatal deaths were reported in 2022 out of which 278 perinatal deaths were reported in week-17. There is a 21% increase compared to the previous week. Abebech Gobena and Alert Hospitals from Addis Ababa city administration reported the highest number of perinatal deaths (4% each) followed by Adama town from Oromia region (3% of national) in the week.

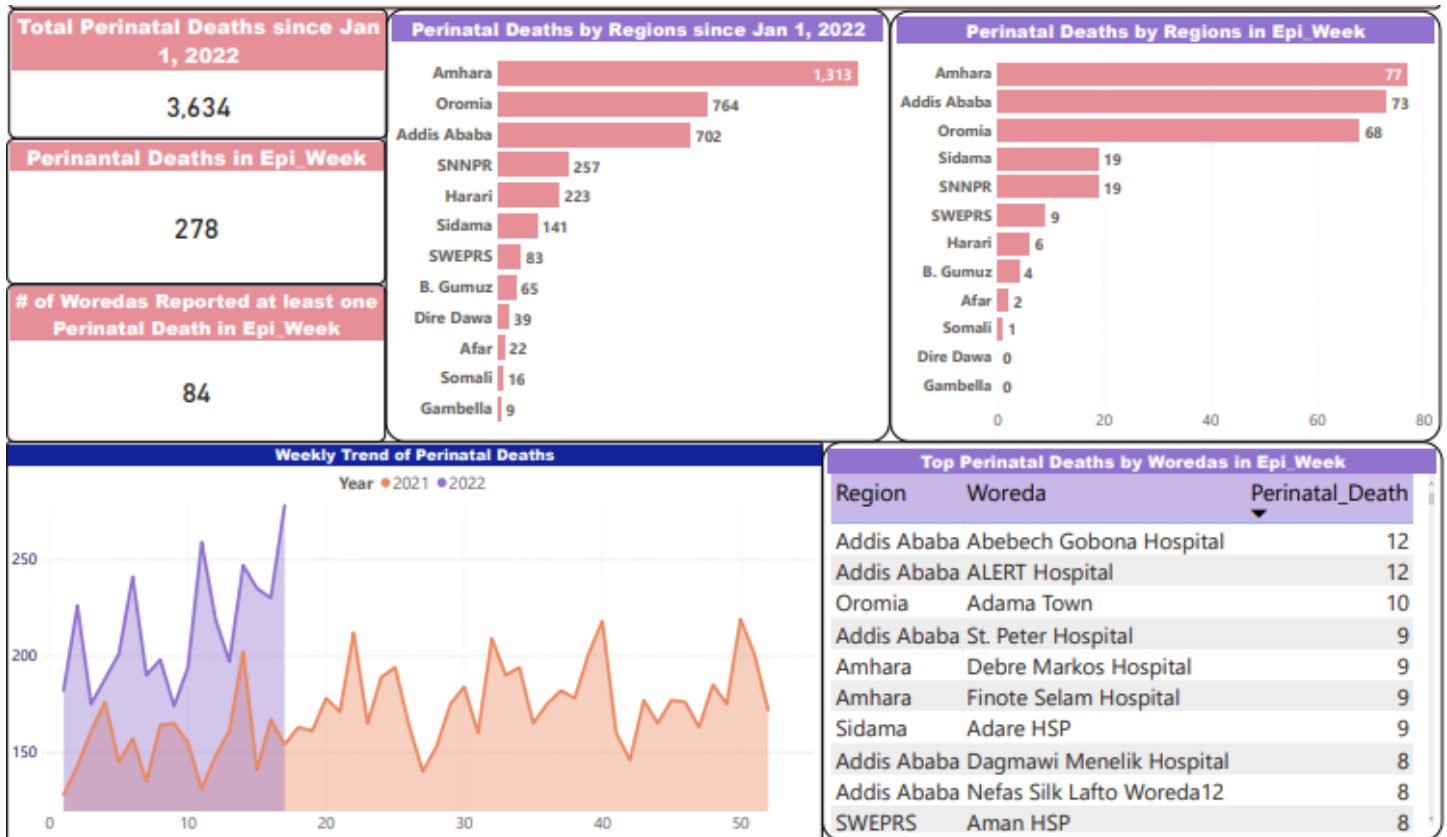


Figure 8: Perinatal death update in Ethiopia as of May 1, 2022

## Maternal death

27 maternal deaths from 22 different Woreda/Hospitals of the country were reported in the week-17 which is a 42% increase in number of deaths as compared to previous week of which 8 (29% of the national report) of the total deaths are reported from Somali region followed by Oromia region (26% deaths).



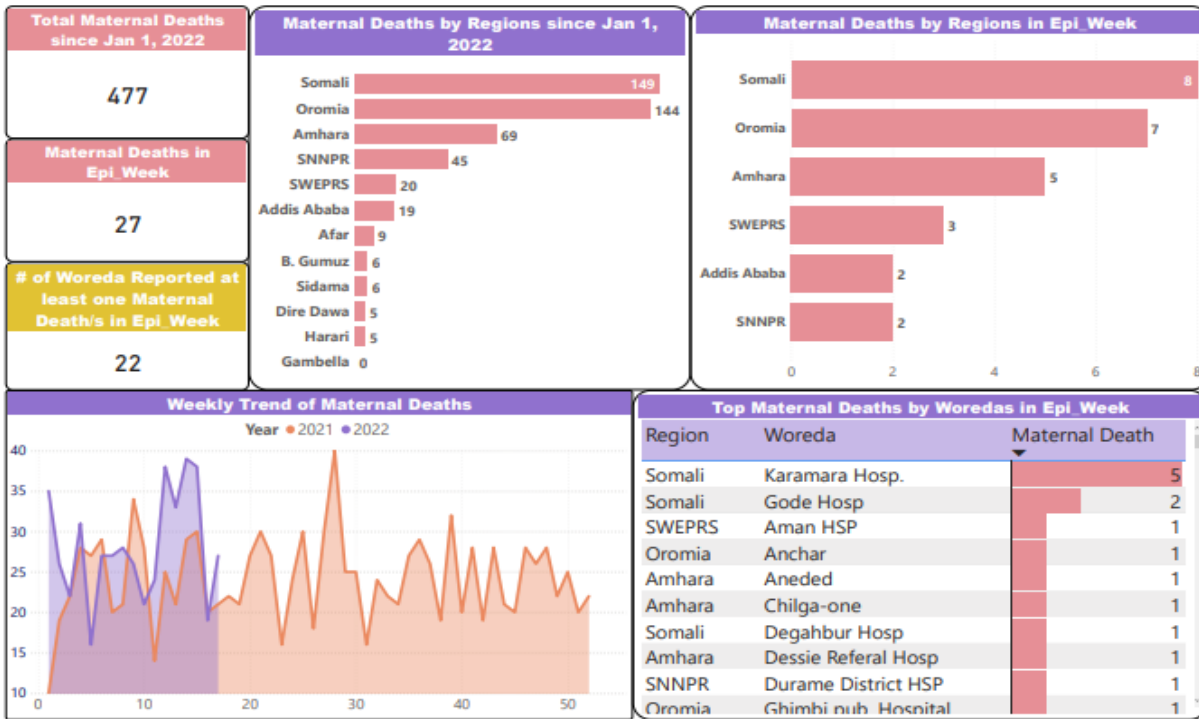


Figure 9: Maternal death summary in Ethiopia as of May 1, 2022

## Rabies exposure

Nationally 182 rabies exposures with no death were reported during the week which has shown a 23% decrease in number of cases as compared previous week. Highest number of rabies exposures are reported from Addis Alem Hospital (14%) followed Gondor Town by (12% of national report) from Amhara region in the week.

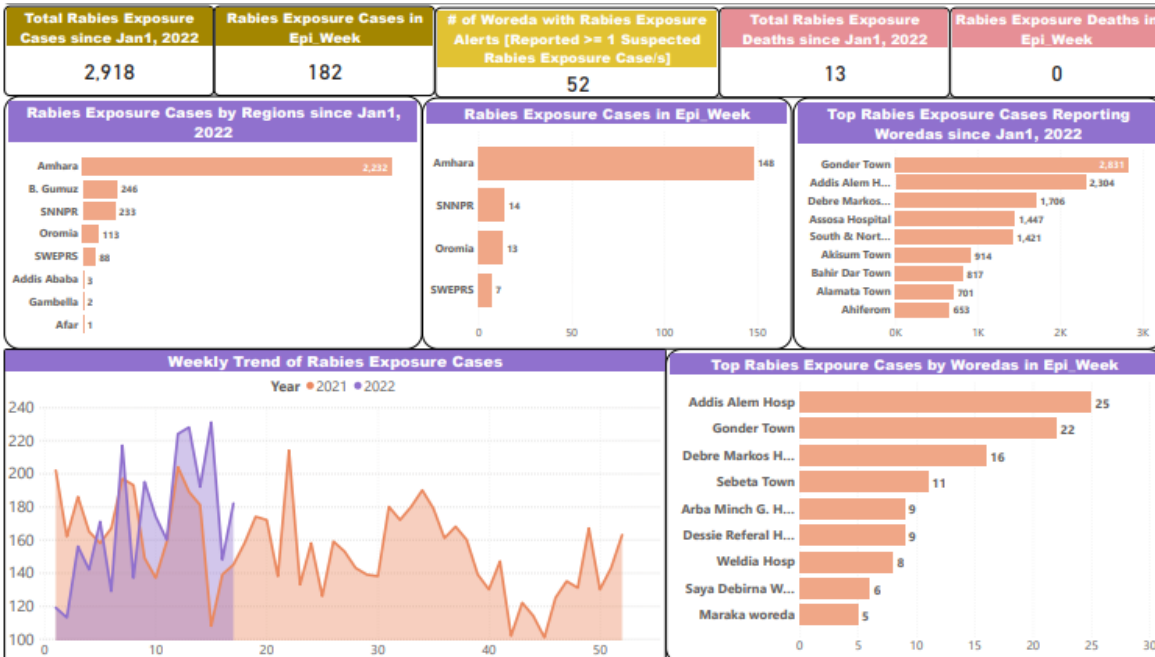


Figure 10: Rabies exposure summary in Ethiopia as of May 1, 2022



## Dysentery

A total of 110,702 dysentery cases and 3 deaths were recorded since January 01, 2022 of which 8,219 cases and one (1) death were reported in week 17. This is a 15% increment of cases as compared to the previous week. Oromia region is the highest number of dysentery cases reporting region (37%) followed by Amhara region (35%) during the week.

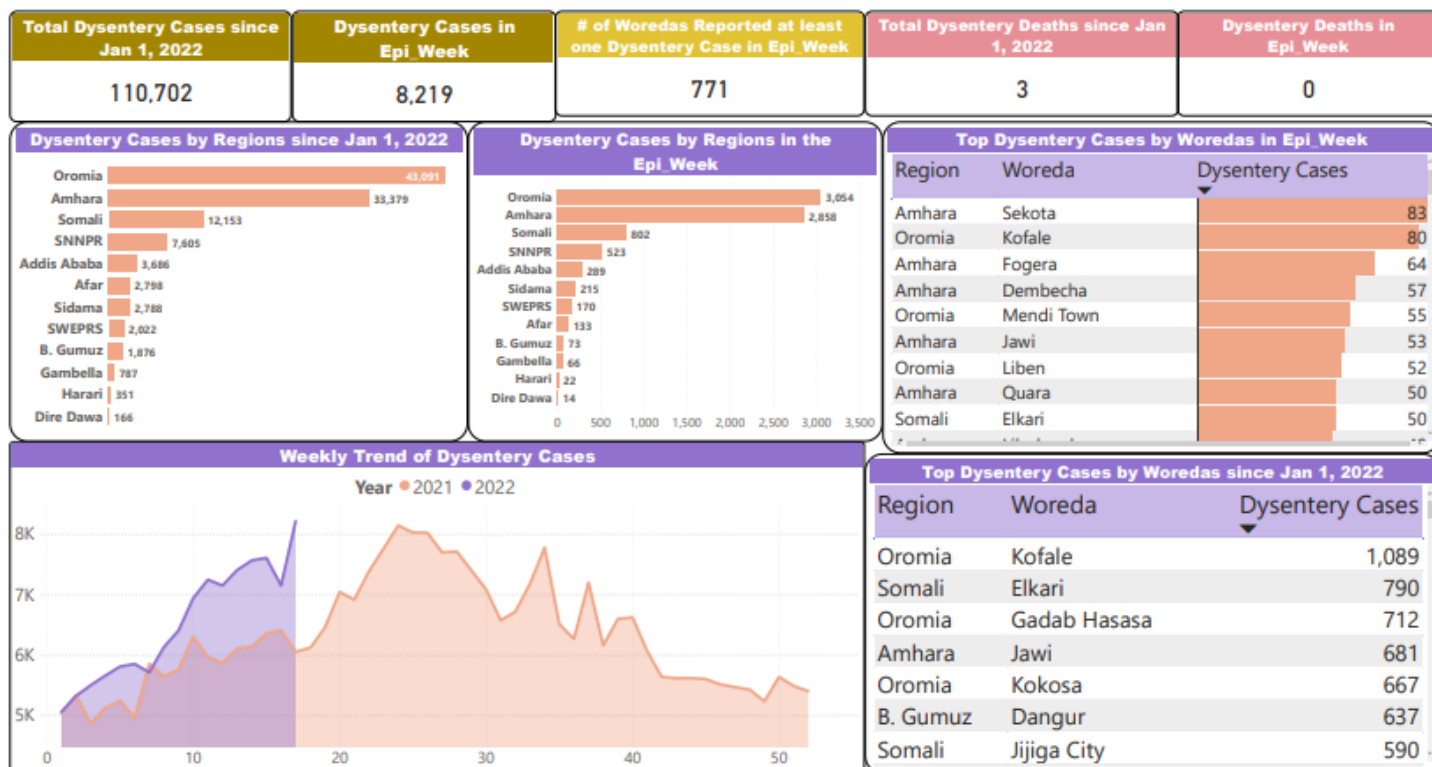


Figure 11: Summary of Dysentery situation in Ethiopia as of May 1, 2022

## Scabies

A total of 2,520 Scabies cases (35 cases increase as compared to previous week) were reported during the week. Amhara region reported the highest number (52%) of Scabies cases followed by Oromia region (25%) in the week.

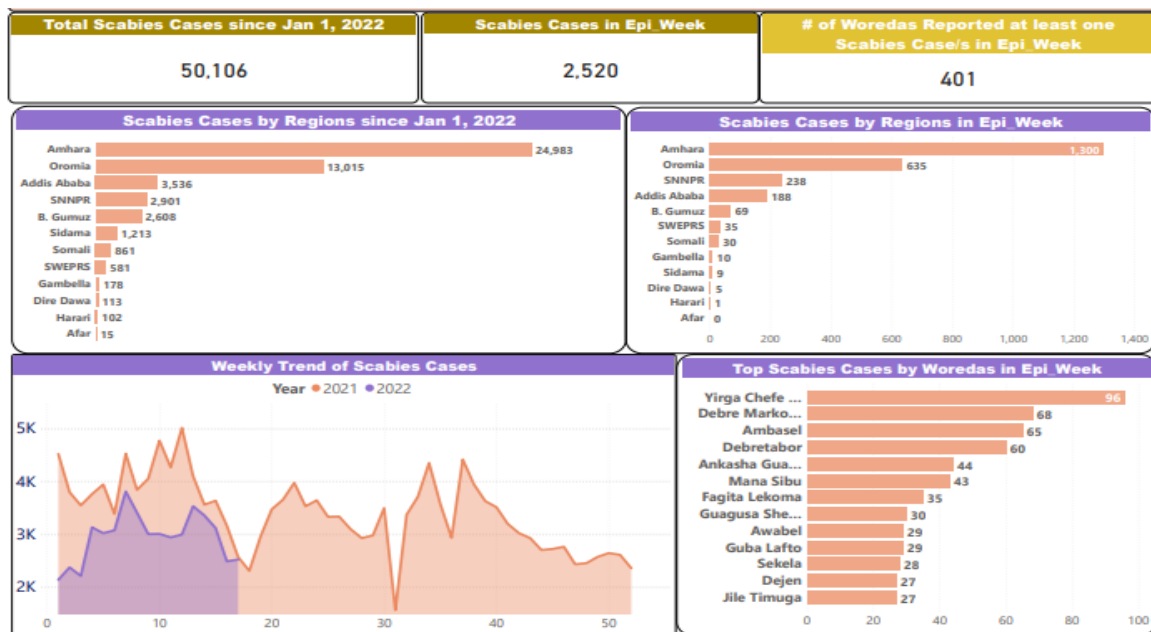


Figure 12: Summary of Anthrax situation in Ethiopia as of May 1, 2021

## Meningitis

A total of 134 suspected meningitis cases which is two (2 cases) increase in number of cases compared to previous week. Three (3) new deaths were reported due to suspected meningitis in the week. Oromia region reported the highest number (40%) followed by SNNP region (18% of national report) in the week.

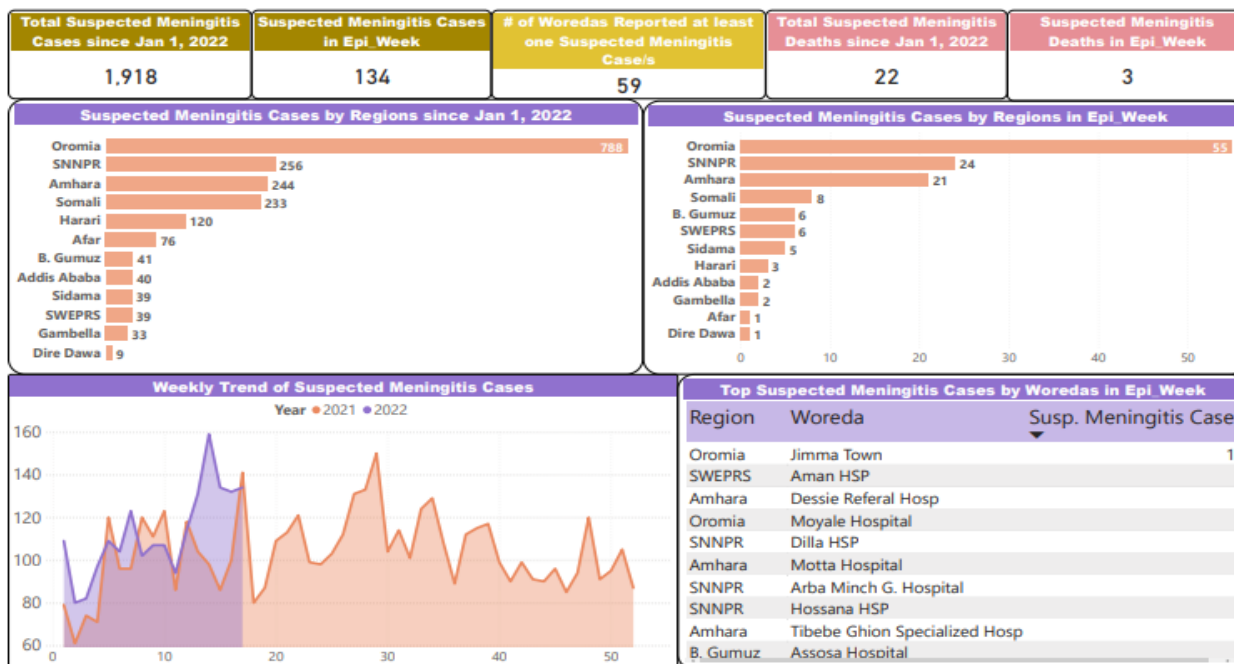


Figure 13: Summary of suspected meningitis cases in Ethiopia as of May 1, 2022

## Neonatal tetanus

Overall, 42 neonatal cases and 24 deaths occurred since January 1, 2022 with CFR of 57%. Two (2) new cases from Amhara and Somali regions with two (2) deaths were reported in week 17.

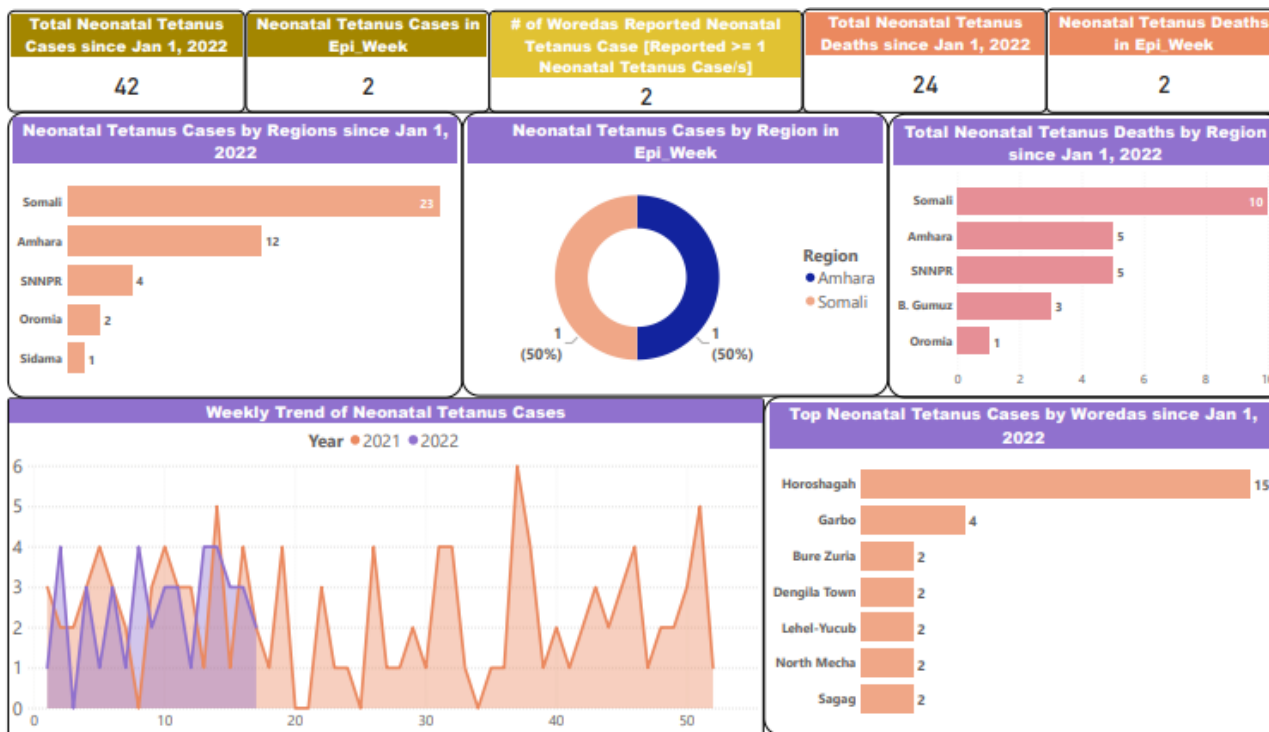


Figure 12: Summary of neonatal tetanus in Ethiopia as of May 1, 2022

## Relapsing fever

A total of 89 relapsing fever (RF) cases which is a three (3 cases decrement as compared to previous week) with four (4) new deaths were reported during the week. Highest number of Relapsing Fever cases were reported from Arada Woreda 06 (21%), Addis Ababa city administration followed by Jimma Town (10%) from Oromia region during the week.

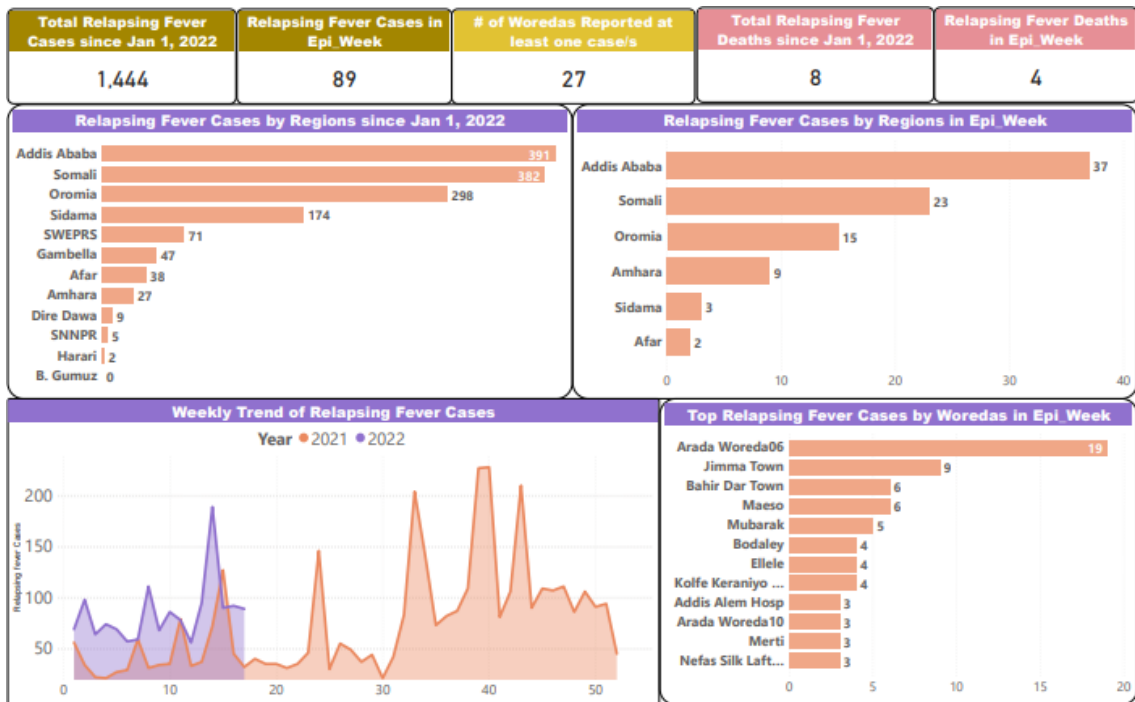


Figure 15: Relapsing fever in Ethiopia as of May 1, 2022

## Anthrax

A total of 332 Anthrax cases and 14 deaths were reported nationally since January 1, 2022. In the week-17, 11 new cases were reported which is a two (2 cases) cases decrease as compared to the previous week. No new death was reported. All Anthrax cases were reported from Amhara region (100%) in the week.

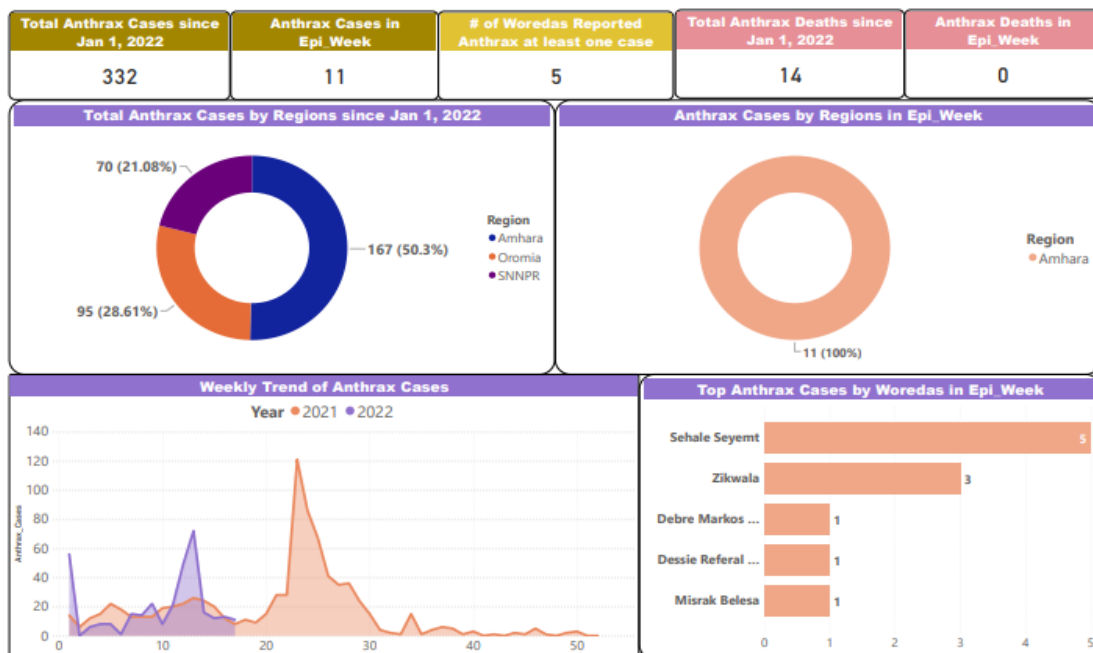


Figure 16: Anthrax in Ethiopia as of May 1, 2022

## Epidemic typhus

A total of 202,632 Epidemic typhus cases and two (2) deaths are reported in the country since January 1, 2022. Among the total cases, 10,805 cases were reported during week 17. The number of Epidemic typhus cases reported in this week increased by 5% as compared to the one reported in the previous week.

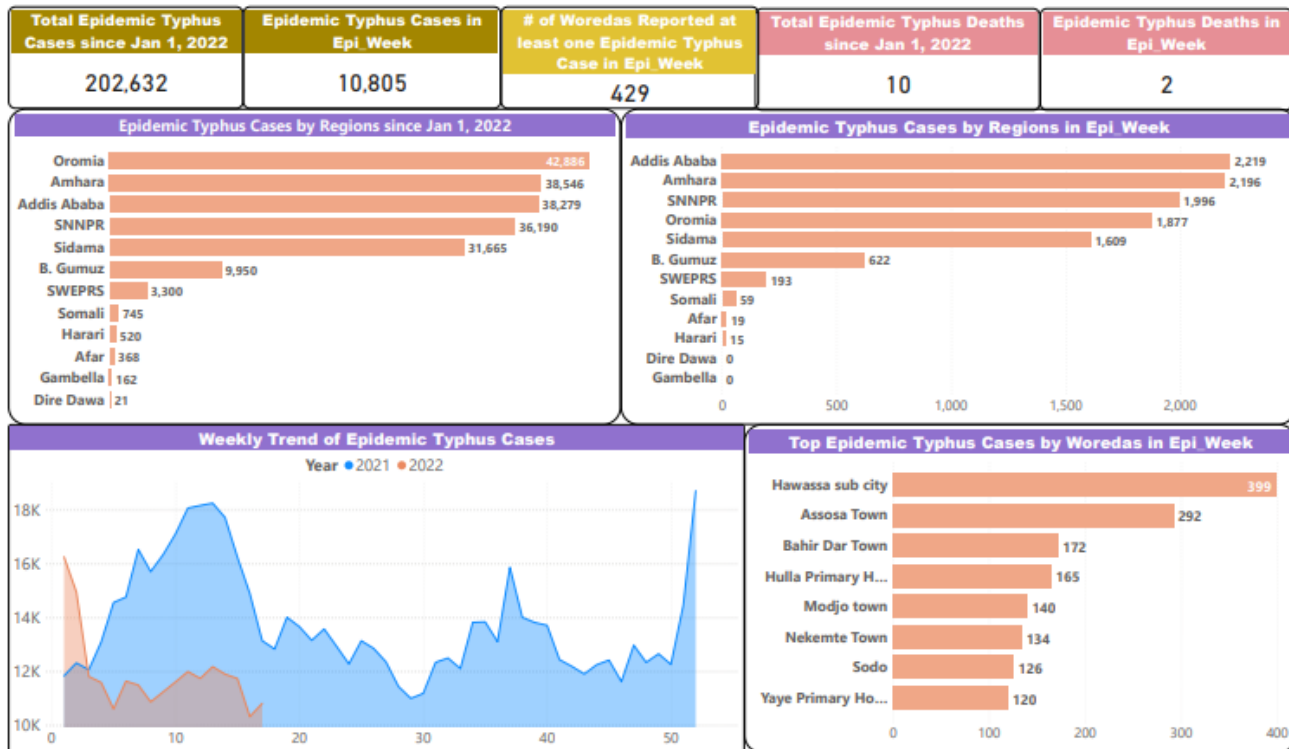


Figure 137: Summary of typhus cases in Ethiopia as of May 1, 2022

## Chemical Poisoning

A total of 251 Chemical poisoning cases and 14 deaths recorded from reporting regions since January 1, 2022. In the Epi-week 17, 14 cases with no death are reported, of which Addis Ababa city administration reported seven (7) cases, Amhara region reported three (3) cases, two (2) cases from Diredawa city administration and from Sidama region each.



Figure 18: Summary of Chemical Poisoning cases in Ethiopia as of May 1, 2022

## SARI

Among 88 sample tested, three (3) COVID-19 cases, seven (7) Influenza cases and three (3) RSV cases were detected in the week-17 from reporting sentinel sites nationally.

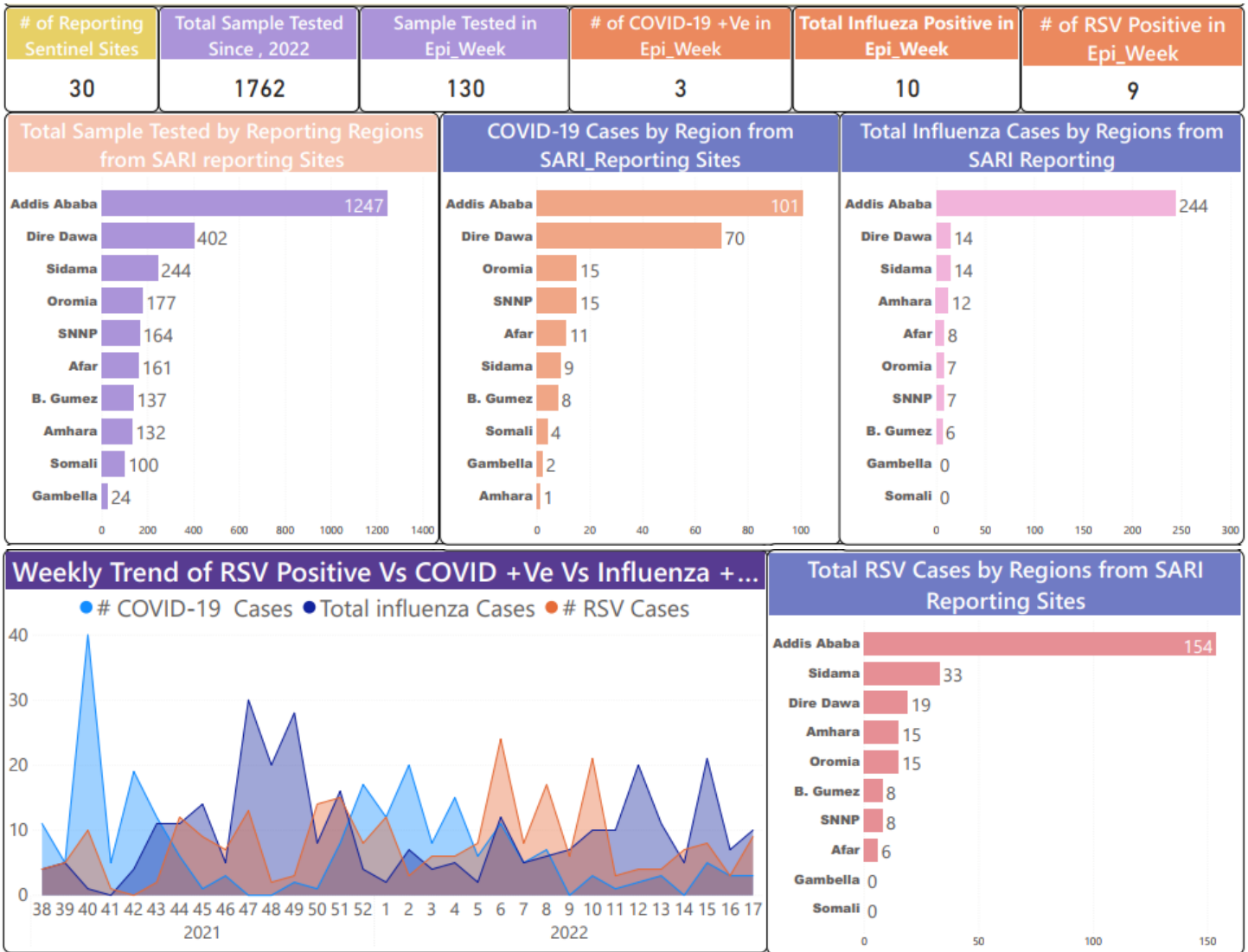


Figure 19: Summary of SARI situation in Ethiopia as of May 1, 2022

## Typhoid fever

A total of 29,114 typhoid fever cases with no death are reported during the week 17, which showed increment as compared to the number of typhoid fever cases reported in the previous week.



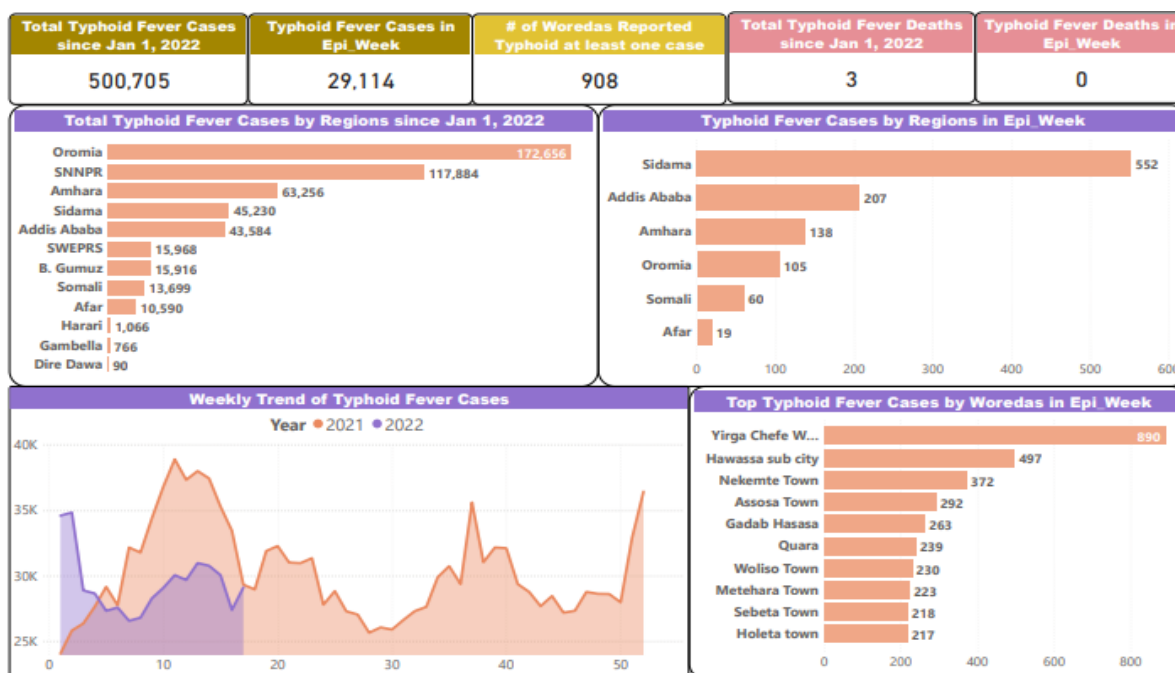


Figure 20: Summary of typhoid fever situation in Ethiopia as of April 24, 2022

## Other weekly reportable diseases

No cases and deaths were reported for Avian Human Influenza, dracunculiasis (guinea worm), Pandemic Influenza, smallpox, viral hemorrhagic fever and yellow fever among the immediately notifiable diseases/conditions in the week. Public health intervention activities against the diseases and events are not included in this bulletin. Weekly reportable diseases with region were summarized in the following Table 2.

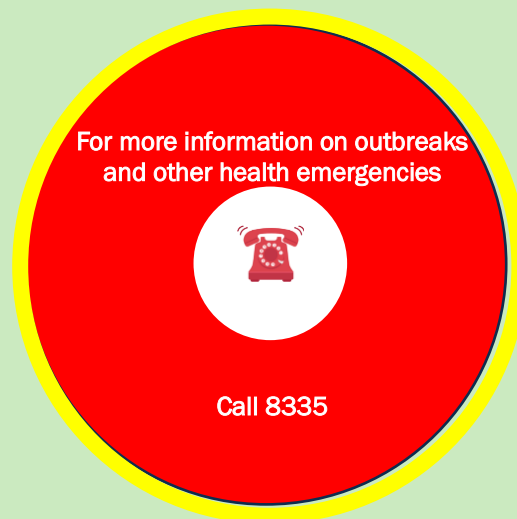
Table 2: Summary of weekly reportable diseases by regions, as of May 1, 2022

Cases Summary of Weekly Reportable Disease/Conditions by Regions									
Region	Malaria Case	Susp. Meningitis Case	Dysentery Cases	Typhoid Fever	RF Cases	SAM Case	Typhus Cases		
Addis Ababa	58	2	289	2,659	37	102	2,219		
Afar	1,017	1	133	467	2	339	19		
Amhara	7,622	21	2,858	3,988	9	1,019	2,196		
B. Gumuz	1,048	6	73	692	0	11	622		
Dire Dawa	71	1	14	4	0	27	0		
Gambella	1,719	2	66	36	0	46	0		
Harari	4	3	22	64	0	33	15		
Oromia	3,228	55	3,054	9,299	15	2,524	1,877		
Sidama	1,071	5	215	2,665	3	227	1,609		
SNNPR	9,835	24	523	7,409	0	817	1,996		
Somali	1,182	8	802	724	23	2,266	59		
SWEPRS	3,587	6	170	1,107	0	201	193		
<b>Total</b>	<b>30,442</b>	<b>134</b>	<b>8,219</b>	<b>29,114</b>	<b>89</b>	<b>7,612</b>	<b>10,805</b>		

# Ethiopian Public Health Institute

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