

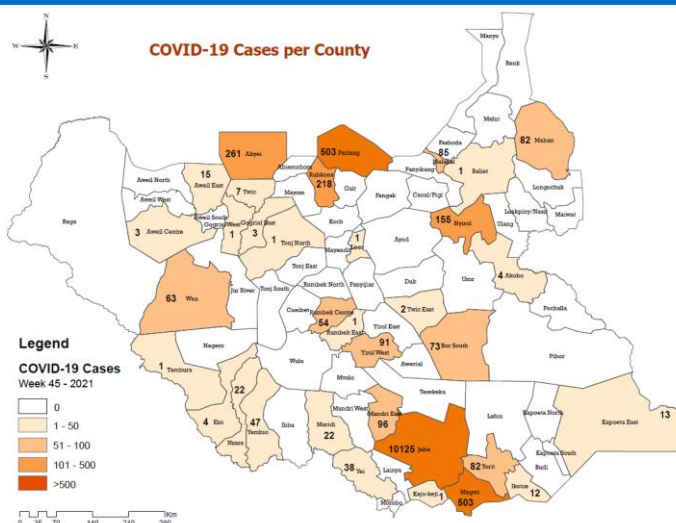


Epi week: 45

Date: 08 — 14 November 2021

Highlights (as of Week 45)

- **12,590** confirmed cases with **133** deaths, **12,169** recoveries, and **288** active cases
- **1.06%** case fatality rate (CFR)
- **287** healthcare workers confirmed as cases
- **76** new confirmed cases during the week with pre-travel screening (**25.0%**) and alerts (**75.0%**) accounting for all the cases
- **441** imported cases (**0** new cases this week) mostly from South Sudanese returnees (**268**), Uganda (**54**), and Kenya (**19**)
- **0** admitted to the Infectious Disease Unit (IDU) in Juba during the week
- Seven-day moving averages for case count and positivity rate were **11** cases and **2.0%** at the end of Week 45 compared to **15** and **14.2%** at the end of Week 44 respectively
- **841** in-bound travellers tested at JIA to-date (**1** tested positive, a yield of **0.12%**)



Summary Statistics



Cases
12,590



Deaths
133



Cases in
IDU
0



Samples
tested
258,397



Fully
vaccinated
105,311

New
cases
76

New
deaths
0

Discharged
0

Crude
positivity
4.9%

Epi Curve

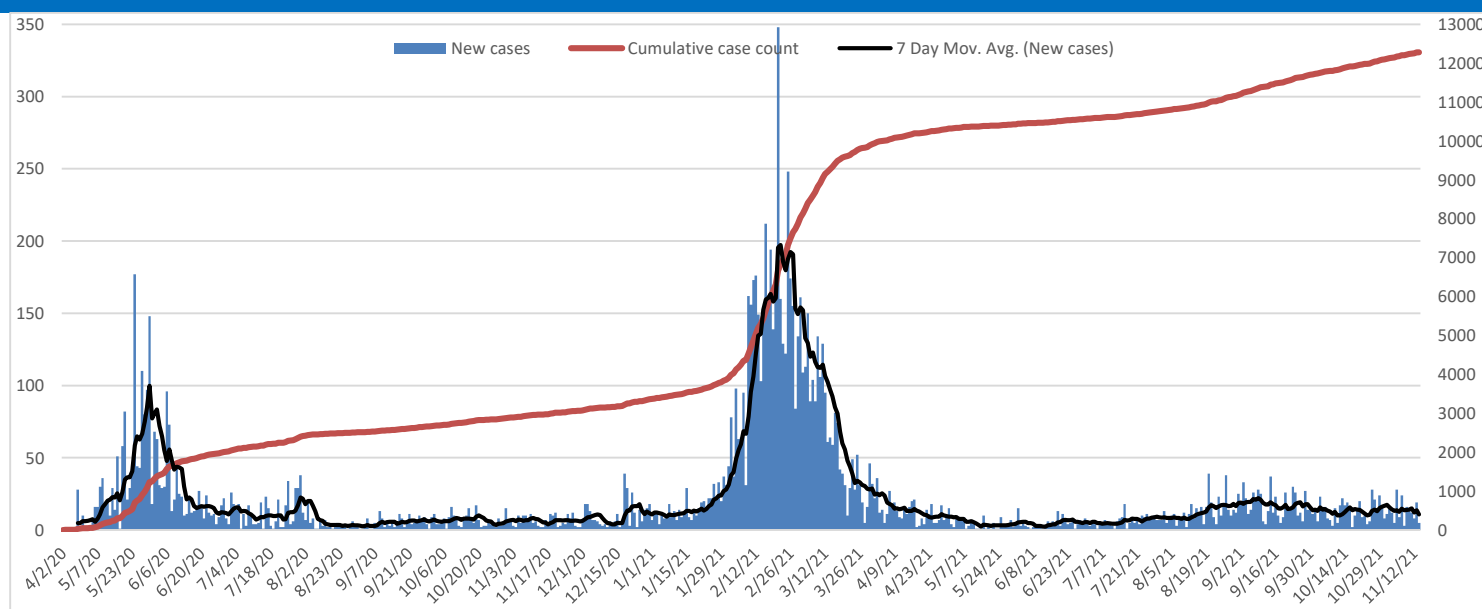


Figure 2. Epidemiological curve of reported cases through Week 45



Epidemiology and Surveillance

Cases

- 76 cases confirmed in Week 45, a 26.9% decrease in reported cases compared to Week 44, the second consecutive week of reported decrease in new cases
- Majority of new cases came from traveler screening (25.0%) and alerts (75.0%), and from Central Equatoria (25.0%), and Ruweng Administrative Area (50.0%)
- No new imported cases reported this week
- No new confirmed cases among healthcare workers this week
- Case tally for Week 45 represents 0.6% of cumulative case tally
- 1.9% crude positivity for samples tested during the week (highest yields came from GeneXpert (GXP) sites)
- Trends for moving averages for yield, case count, and proportional daily case change are decreasing
- 20.4% decrease in 7-day moving average for new cases in the last seven days, with a 37.4% decrease in the last 14 days
- 35 (43.8%) of 80 counties in the country have a confirmed case, with no county with a first confirmed case this week
- Cumulatively, age distribution of cases reported is skewed towards people under 50 years old, with most cases occurring among males in the 20-49 age group
- 53.8% of cases are South Sudanese, 20.7% are foreigners, and 25.6% are of unknown nationality
- So far three variants of concern (Alpha [B.1.1.7], Beta [B.1.351], and Delta [B.1.617.2]) have been identified in the country, with the Delta variant predominating (93%)
- 80.1% of cases detected in Juba compared to 19.9% outside of Juba
- Cumulatively, 60.9% of cases came from pre-travel screening, 11.7% alerts/suspected cases, 9.9% contact tracing, 7.3% point of entry screening, and 6.8 sentinel surveillance (3.4% have unknown source)

Deaths

- No new reported deaths in Week 45
- 1.06% CFR
- Need for more active mortality surveillance → response to community death alerts and swabbing of suspect deaths during daily visits to mortuaries

Figure 3: Age and gender distribution

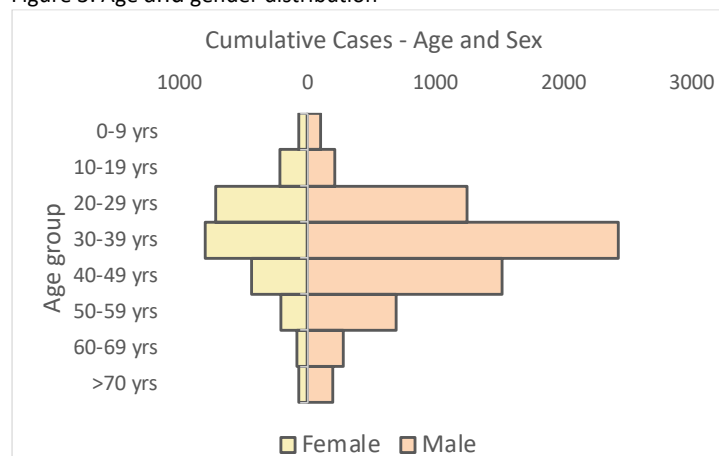
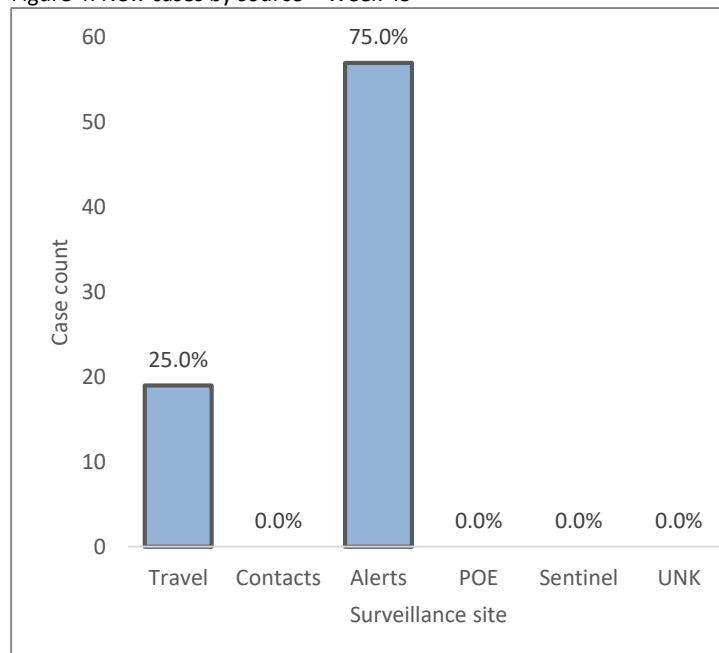


Figure 4: New cases by source – Week 45





Laboratory

- Average positivity yield is 1.9% this week compared to 3.2% in Week 44
- Highest yields reported in 7 GXP sites (Pamir PHCC, Nzara Hospital, Gentil PHCC, Agok Hospital, Ezo Hospital, Maridi Hospital, and Hakima Ajoung Thok PHCC)
- Positivity yields by testing site were as follows in Week 45: Crawford (0.6%), Med Blue (0.2%), NPHL (0.5%), Nimule (0.0%), Queens Medical Complex (1.4%), Nojum (0.0%), Biolab (1.1%), PIC Diagnostic Center (0.0%), Life Link (0.0%), Check Up (0.0%), Hakima Ajoung Thok (20.0%), Bor (0.0%), Gentil (19.2%), Kapoeta (8.3%), Juba International Airport (0.0%), Magwi (0.0%), Nzara (18.2%), Tonj (0.0%), Agok (15.8%), Yambio (0.0%), Pariang (0.0%), Ezo (50.0%), Wau (0.0%), Maridi (100.0%), Pamir (44.6%), Lankien (0.0%), and Aweil (0.0%)
- Positivity yield from GXP sites is 23.8% compared to 0.5% at the NPHL, 0.0% in Nimule, and 0.5% in the private laboratories

Figure 5: SARS CoV-2 PCR test results by week

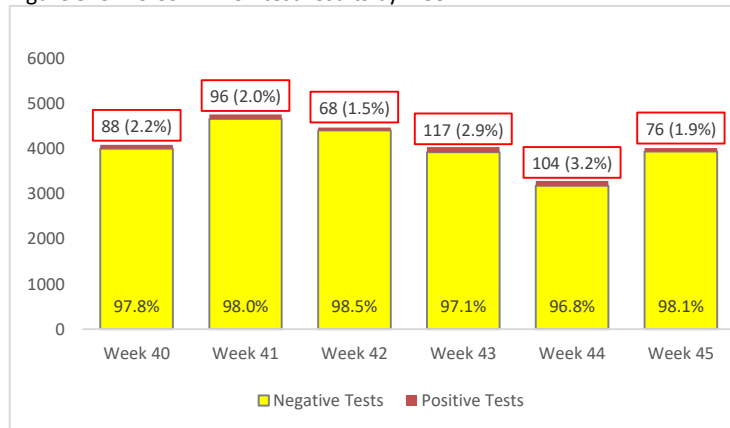


Figure 6: SARS CoV-2 PCR test results and positivity by site (Juba & Nimule)

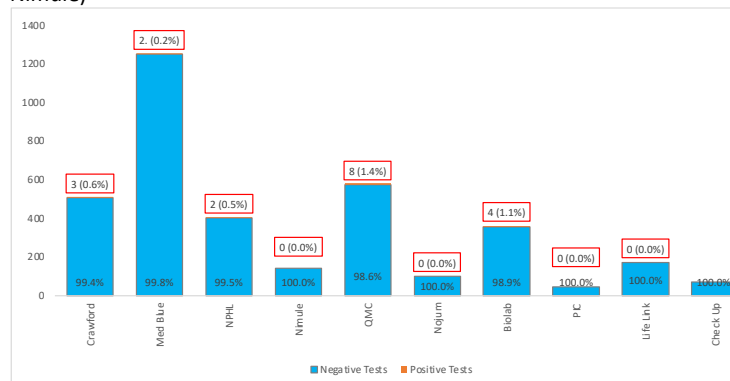
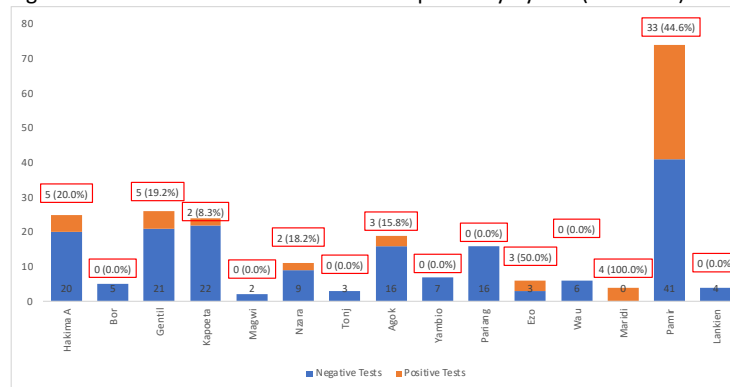


Figure 7: SARS CoV-2 PCR test results and positivity by site (GXP sites)

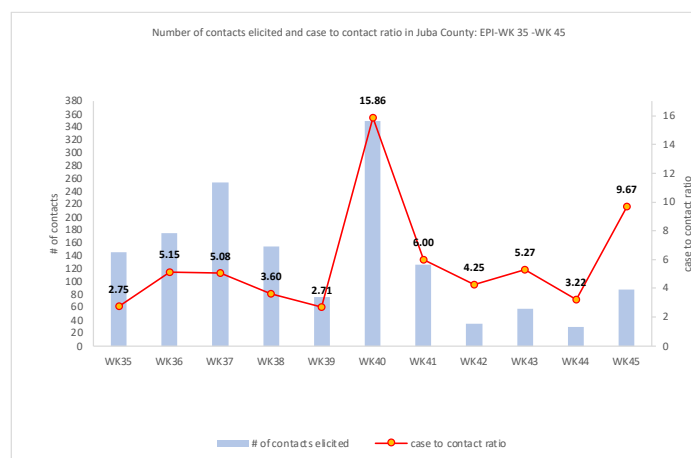




Contact Tracing

- None of the 76 cases this week came from contact tracing
- All 19 cases confirmed in Juba County this week were distributed to ICAP for contact listing and tracing
- 14 (73.7%) of the 19 cases were eligible for contact listing (i.e., had valid phone numbers), 9 (64.3%) of whom provided 87 contacts, providing a case to contact ratio of 1:9.7
- 466 contacts were under active follow-up during the week while 49 contacts completed their follow-up period this week
- None of the 466 contacts followed up this week reported any COVID-19 related symptoms
- Samples were collected from 54 contacts in Juba this week, none of whom tested positive for COVID-19
- Main barriers to enrol contacts continue to be:
 - Unwillingness of cases to list contacts
 - Incorrect contact addresses
 - Contacts not answering their phones

Figure 8: Contacts elicited and case to contact ratio in Juba County: Week 35 -Week 45



Hotline/Alerts

- 23 potential COVID-19 alerts through hotline in Week 45, a 53.3% increase from alerts reported in Week 44, the second consecutive week of recorded increase in alerts after five consecutive weeks of decrease in reported alerts
- 22 alerts (96.0%) were verified and interviewed by the rapid response team (RRT), and all (100%) provided samples
- 10 (43.5%) of the potential alerts came from Central Equatoria followed by Jonglei (26.1%), Warrap (17.4%), and Western Bahr el Ghazal, Northern Bahr el Ghazal, and Unity (4.3%)
- Four states (i.e., Eastern Equatoria, Western Equatoria, Lakes, and Upper Nile) did not report any alerts this week
- 57 alerts and suspected cases tested positive for COVID-19 this week
- Cumulatively, 3,310 alerts have been reported, 3,179 (96.0%) were verified, and 3,096 (97.4%) sampled
- Alerts account for 1.2% of total samples tested in the country
- Alerts outside of Central Equatoria are limited

Figure 9: Alert hotline cascade — Week 45

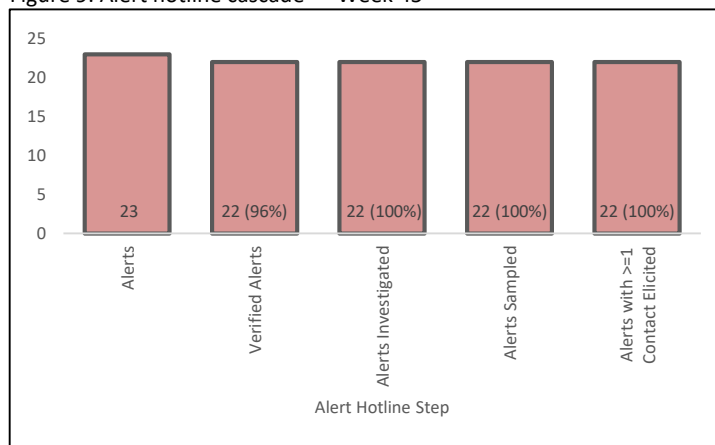
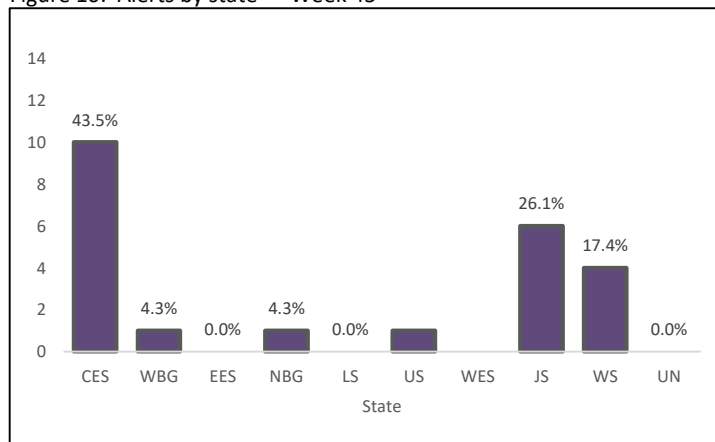


Figure 10: Alerts by state — Week 45



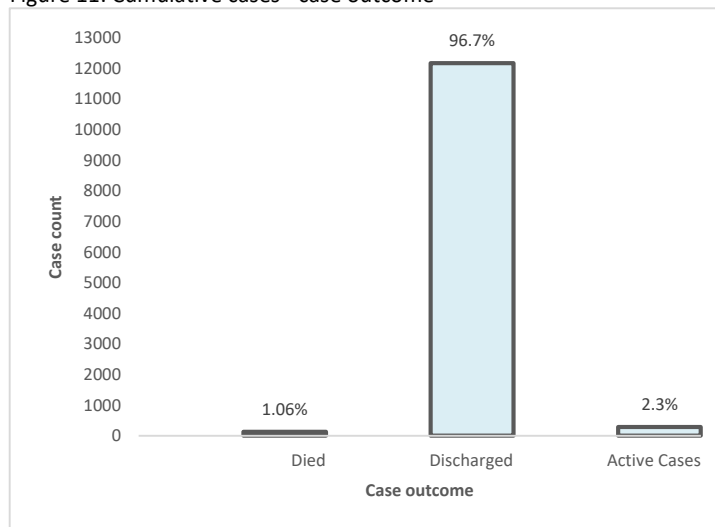


Case Management

- 36.7% of cases managed at home, with 0.2% at health facilities
- 63.0% of cases are missing case management type at first contact although almost all of these were likely managed at home
- 12,169 (96.7%) of cases were discharged as of Week 45, with 288 cases (2.3%) under active follow-up
- 133 cases died, a CFR of 1.06%

Case management at first detection	#	% of total cases
Home management	4,581	36.7%
Hospital	20	0.2%
Isolation center	4	<0.1%
UN health facility	2	<0.1%
UN home management	3	<0.1%
Died	10	0.1%
Unknown	7,867	63.0%

Figure 11: Cumulative cases - case outcome



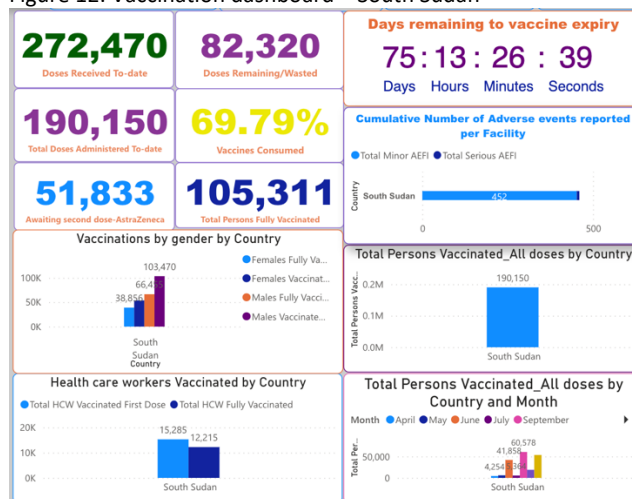
Risk Communication and Community Engagement (RCCE)/Point of Entry (POE)

- The following achievements were registered during Week 45 under the risk communication and community engagement (RCCE) pillar:
 - Community-based contact tracers supported by ICAP, provided information about COVID-19 to 1,732 persons
- Main challenges for the RCCE pillar include:
 - Community non-compliance with COVID-19 preventive measures
 - Stigmatization of COVID-19 prevents people from reporting suspected cases to the hotline
- POE data are for the Nimule land crossing which only screens arriving travelers
- 4,141 (2,773 males; 1,368 females) were screened this week
- Most of the travelers screened were truck drivers (1,278), returnees (2,049), and other nationals other than truck drivers (814)
- Returnees do not undergo quarantine and are not required to present a negative PCR test COVID-19 certificate
- Other nationals and truck drivers are required to present valid negative PCR test COVID-19 certificate to enter South Sudan

COVID-19 Vaccination

- 272,470 vaccine doses received to-date. Additional AstraZeneca and J&J batches of vaccines expected later this month
- Vaccination is currently ongoing for the J&J batch of vaccines in all 80 counties in the country
- 190,150 doses administered as of 17 November 2021
 - 105,311 fully vaccinated
 - 51,833 awaiting second dose of AstraZeneca
- 12,215 healthcare workers fully vaccinated
- Gender disparity in vaccine uptake where only 35.3% female received the vaccine
- 460 cumulative adverse events following immunization (AEFI) reported
 - 452 minor AEFI
 - 8 severe AEFI

Figure 12: Vaccination dashboard – South Sudan





For more information, please contact the South Sudan Public Health Emergency Operation Centre[PHEOC]

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For additional information follow these links:

http://moh.gov.ss/daily_updates.php

<http://moh.gov.ss/covid-19.php>

Note: COVID-19 testing in South Sudan is free of charge for alerts, contacts of cases, and suspected cases