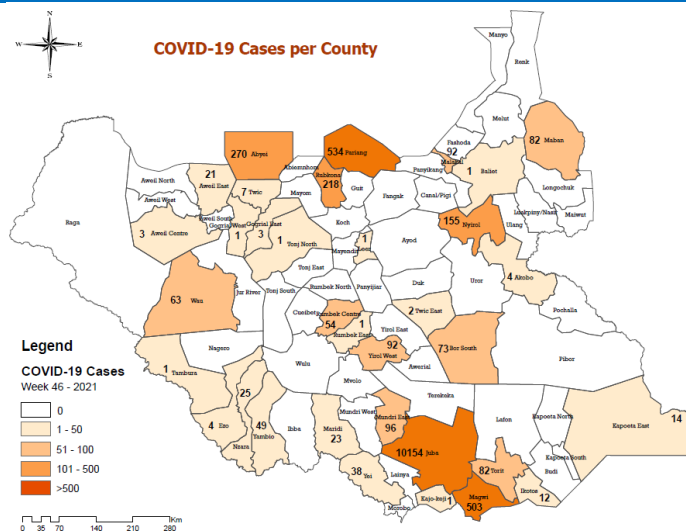




Highlights (as of Week 46)

- **12,680** confirmed cases with **133** deaths, **12,169** recoveries, and **378** active cases
- **1.05%** case fatality rate (CFR)
- **287** healthcare workers confirmed as cases
- **90** new confirmed cases during the week with pre-travel screening (**31.1%**) and alerts (**67.8%**) accounting for majority of 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 **13** cases and **2.0%** at the end of Week 46 compared to **11** cases and **2.0%** at the end of Week 45 respectively
- **991** in-bound travellers tested at JIA to-date (**1** tested positive, a yield of **0.10%**)



Summary Statistics



Cases
12,680



Deaths
133



Cases in IDU
0



Samples tested
262,749



Fully vaccinated
129,310

New cases
90

New deaths
0

Discharged
0

Crude positivity
4.8%

Epi Curve

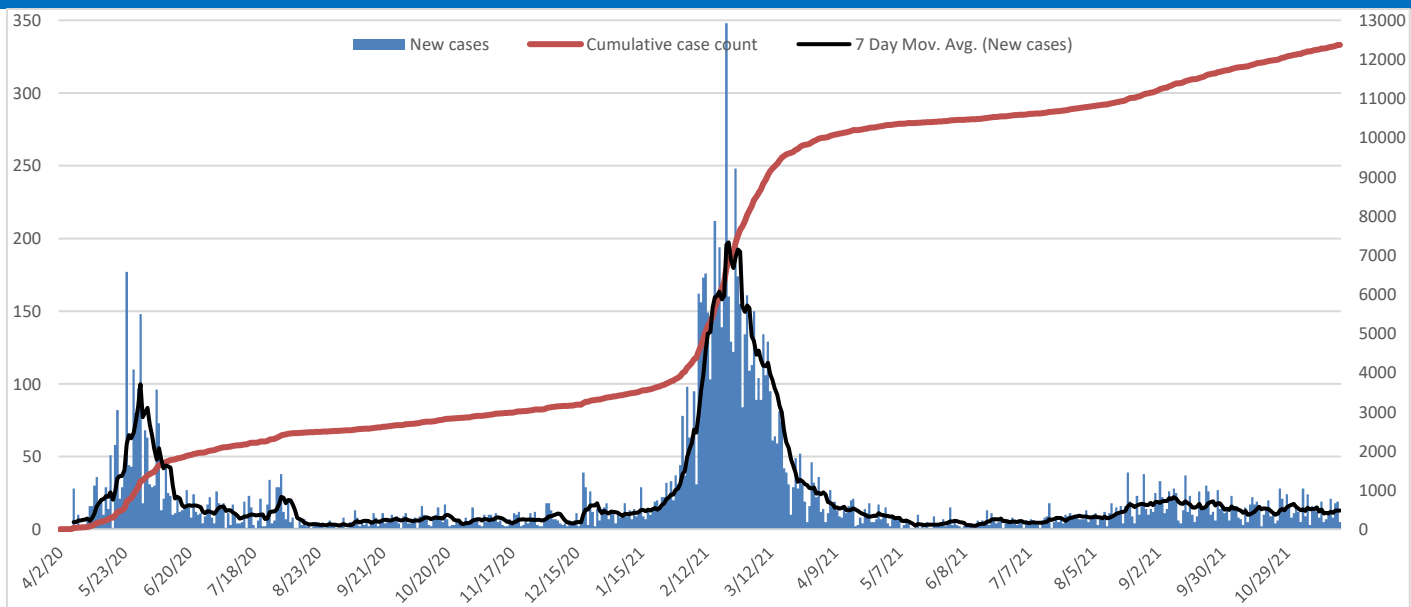


Figure 2. Epidemiological curve of reported cases through Week 46



Epidemiology and Surveillance

Cases

- 90 cases confirmed in Week 46, an 18.4% increase in reported cases compared to Week 45
- Majority of new cases came from traveler screening (31.1%) and alerts (67.8%), and from Central Equatoria (32.2%), and Ruweng Administrative Area (34.4%)
- No new imported cases reported this week
- No new confirmed cases among healthcare workers this week
- Case tally for Week 46 represents 0.7% of cumulative case tally
- 2.1% 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 flattening/stabilizing
- 13.2% increase in 7-day moving average for new cases in the last seven days, with a 5.8% 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
- 53.5% of cases are South Sudanese, 20.6% are foreigners, and 25.9% 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%)
- 79.7% of cases detected in Juba compared to 20.3% outside of Juba
- Cumulatively, 60.7% of cases came from pre-travel screening, 12.2% alerts/suspected cases, 9.8% contact tracing, 7.2% point of entry screening, and 6.8% sentinel surveillance (3.4% have unknown source)

Deaths

- No new reported deaths in Week 46
- 1.05% 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

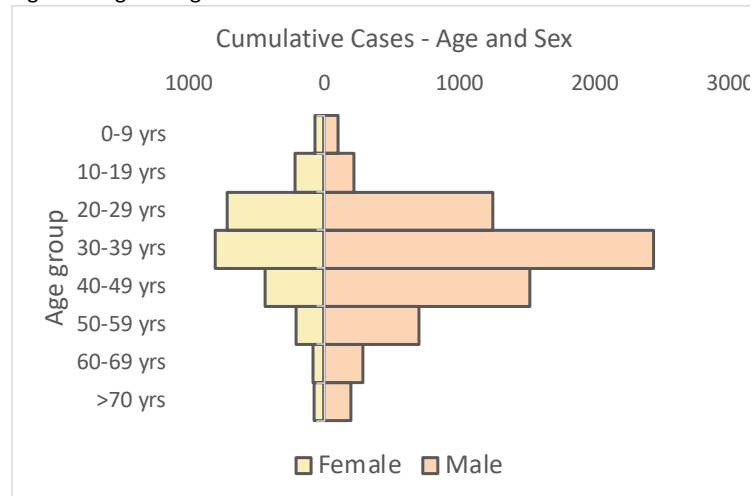
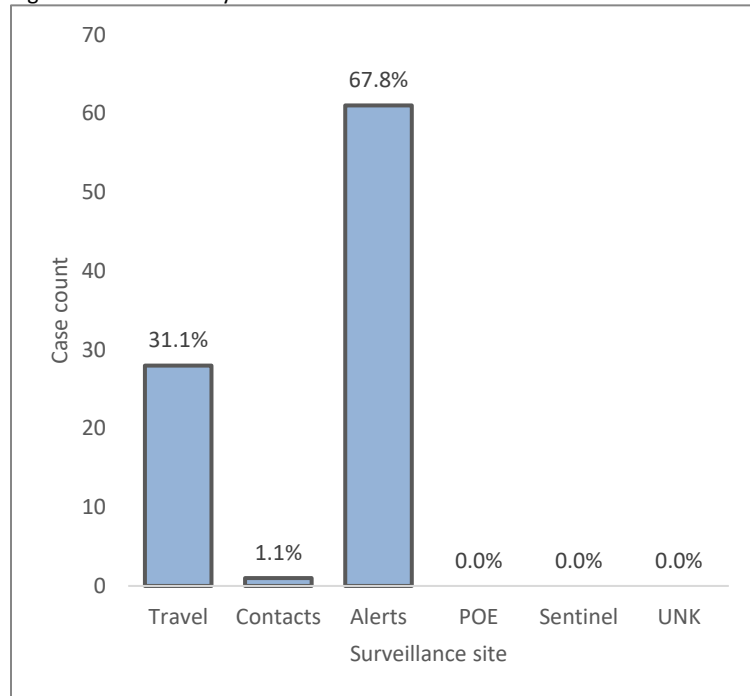


Figure 4: New cases by source – Week 46





Laboratory

- Average positivity yield is 2.1% this week compared to 1.9% in Week 45
- Highest yields reported in 9 GXP sites (Pamir PHCC, Nzara Hospital, Gentil PHCC, Agok Hospital, Makpandu PHCC, Mapourdit Hospital, Maridi Hosp, Aweil Hosp, and Gordhim PHCC)
- Positivity yields by testing site were as follows in Week 46: Crawford (1.8%), Med Blue (0.2%), NPHL (1.7%), Nimule (0.0%), Queens Medical Complex (1.3%), Nojum (0.0%), Biolab (1.3%), PIC Diagnostic Center (0.0%), Life Link (0.0%), Check Up (0.0%), Hakima Ajourng Thok (3.8%), Yirol (0.0%), Gentil (25.0%), Kapoeta (5.3%), Juba International Airport (0.0%), Gordhim (22.2%), Nzara (37.5%), Mapourdit (20.0%), Agok (14.1%), Makpandu (28.6%), Pariang (0.0%), Ezo (0.0%), Aweil (20.0%), Lankien (0.0%), Pamir (46.6%), Magwi (0.0%), Yambio (0.0%), Bor (0.0%), Maridi (50.0%), and Torit (0.0%)
- Positivity yield from GXP sites is 19.9% compared to 1.7% at the NPHL, 0.0% in Nimule, and 0.7% in the private laboratories

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

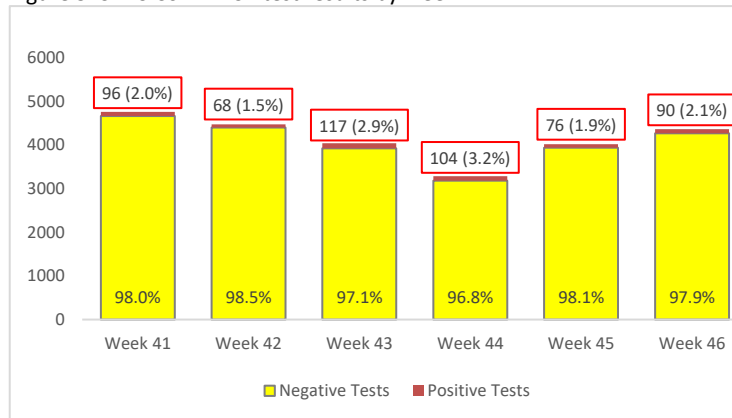
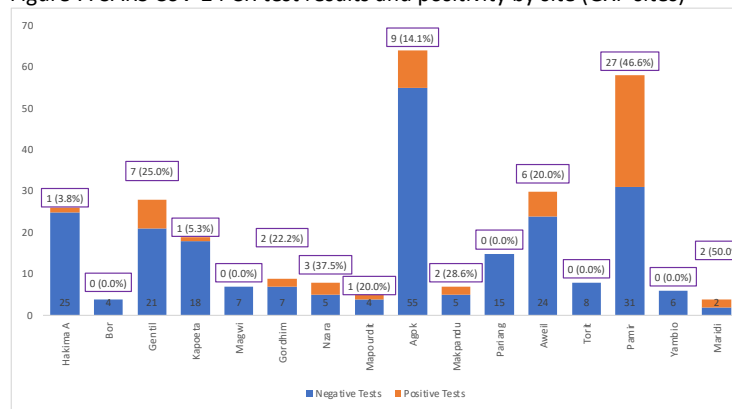


Figure 6: SARS CoV-2 PCR test results and positivity by site (Juba & Nimule)



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

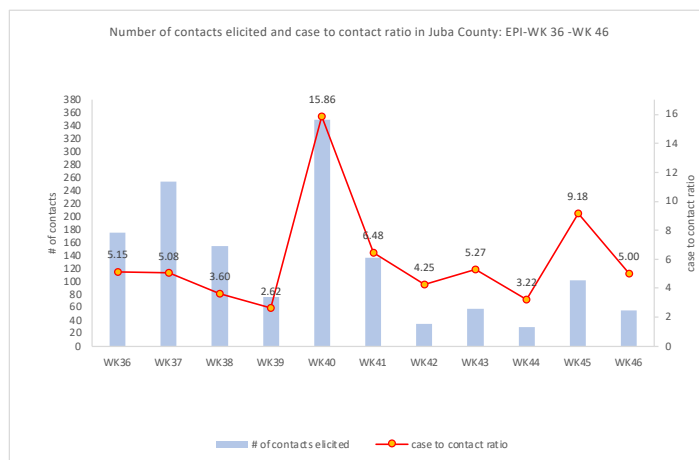




Contact Tracing

- One of the 90 cases this week came from contact tracing
- 24 of the 29 cases confirmed in Juba County this week were distributed to ICAP for contact listing and tracing
- 18 (75.0%) of the 24 cases were eligible for contact listing (i.e., had valid phone numbers), 11 (61.1%) of whom provided 55 contacts, providing a case to contact ratio of 1:5.0
- 513 contacts were under active follow-up during the week while 23 contacts completed their follow-up period this week
- None of the 513 contacts followed up this week reported any COVID-19 related symptoms
- Samples were collected from 53 contacts in Juba this week, one 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 36 -Week 46



Hotline/Alerts

- 11 potential COVID-19 alerts through hotline in Week 46, a 52.2% decrease from alerts reported in Week 45
- 10 alerts (91.0%) were verified and interviewed by the rapid response team (RRT), and all (100%) provided samples
- 9 (81.8%) of the potential alerts came from Central Equatoria followed by Eastern Equatoria and Jonglei (9.1%)
- Seven states (i.e., Warrap, Western Equatoria, Western Bahr el Ghazal, Northern Bahr el Ghazal, Unity Lakes, and Upper Nile) did not report any alerts this week
- 61 alerts and suspected cases tested positive for COVID-19 this week
- Cumulatively, 3,316 alerts have been reported, 3,185 (96.0%) were verified, and 3,102 (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 46

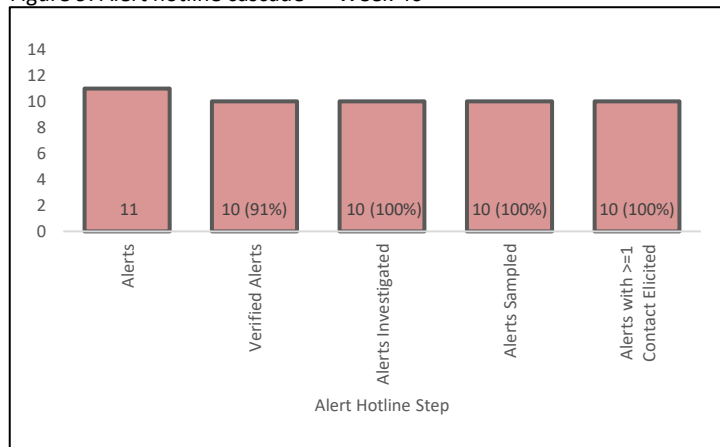
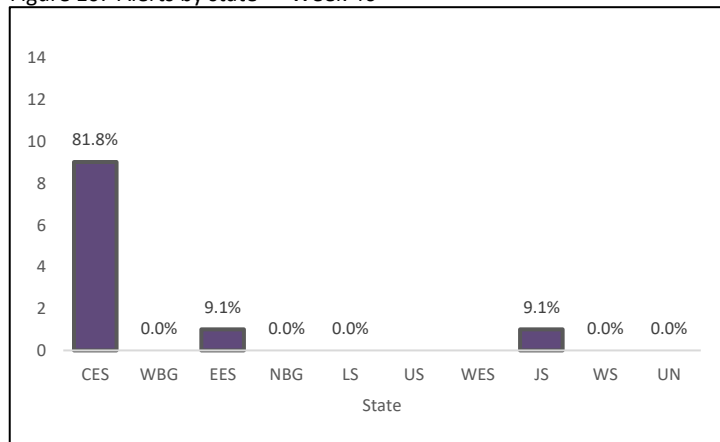


Figure 10: Alerts by state — Week 46



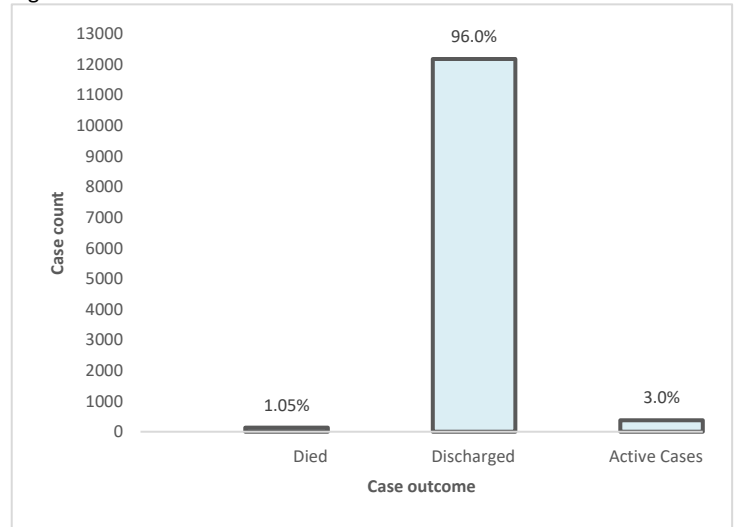


Case Management

- 36.4% of cases managed at home, with 0.2% at health facilities
- 63.2% of cases are missing case management type at first contact although almost all of these were likely managed at home
- 12,169 (96.0%) of cases were discharged as of Week 46, with 378 cases (3.0%) under active follow-up
- 133 cases died, a CFR of 1.05%

Case management at first detection	#	% of total cases
Home management	4,581	36.4%
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	7,957	63.2%

Figure 11: Cumulative cases - case outcome



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

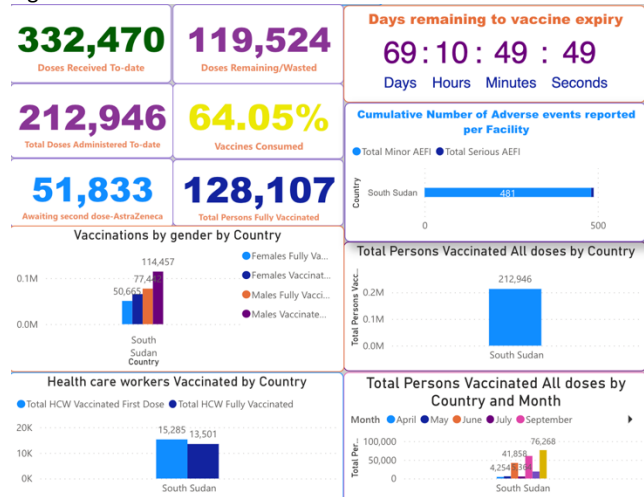
- The following achievements were registered during Week 46 under the risk communication and community engagement (RCCE) pillar:
 - Community-based contact tracers supported by ICAP, provided information about COVID-19 to 1,367 persons
- Main challenges for the RCCE pillar include:
 - Community non-compliance 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
- 4,086 (2,710 males; 1,376 females) were screened this week
- Most of the travelers screened were truck drivers (1,311), returnees (1,978), and other nationals other than truck drivers (797)
- 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

- 332,470 vaccine doses received to-date. Additional batch of the J&J vaccine expected later this month
- Vaccination is currently ongoing for the AstraZeneca and J&J vaccines in 59 counties and 246 health facilities
- Planned scale-up of vaccination to all 80 counties and at least 250 health facilities by mid-December 2021
- 212,826 doses administered as of 22 November 2021
 - 129,310 fully vaccinated (33,006 with two AZ doses, 96,304 with single dose of J&J)
- 15,285 healthcare workers fully vaccinated
- Gender disparity in vaccine uptake where only 37.7% female received the vaccine
- 488 cumulative adverse events following immunization (AEFI) reported
 - 481 minor AEFI
 - 7 severe AEFI

Figure 12: Vaccination dashboard – South Sudan





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

Email: sspheoc@gmail.com

Tel #: +211 928 799 005/ +211 917 611 031

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