



Republic of South Sudan

Situation Report #8 on Cholera in South Sudan As at 23:59 Hours, 23 July 2016

Situation Update

A Cholera outbreak has been confirmed in Juba after 10 (77%) of the samples tested positive for *Vibrio Cholera Inaba* in the National Public Health Laboratory. The IHR focal person has been informed to contact relevant partners. Jubek state as of 23rd July 2016, recorded a total of 199 cholera cases including 3 deaths (CFR 1.71%) have been reported in Juba county. Juba Teaching Hospital has been designated as a CTC, with a total of 24 new cholera cases reported in Juba on 23rd July 2016 (Table 1 and Figure 1). The most affected locations in Juba include Gorom, Khor William, and Giada, Tiger area (Fig. 1.1 and 1.2).

In Jonglei state, 32 suspected cholera cases with 4 deaths (CFR 12.5%) have been reported from Duk County involving 5 settlements namely Atuek, Atul, Koyom, Moldova and Watkuac with the date of onset of index case on the 3rd July 2016.

A 3rd state, Terekeka has reported 10 suspected cases of cholera with 4 death (CFR=40%) and samples taken for laboratory confirmation.

Table 1. Summary of cholera cases reported in Juba as of 23 July 2016

| Reporting Sites | New admissions | New discharges | New deaths | Total cases currently admitted | Total facility deaths | Total community deaths | Total deaths | Total cases discharged | Total cases |
|---------------------|----------------|----------------|------------|--------------------------------|-----------------------|------------------------|--------------|------------------------|-------------|
| Jubek – Juba County | 24 | 65 | 0 | 47 | 2 | 1 | 3 | 149 | 199 |
| Jonglei-Duk County | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 28 | 32 |
| Terekeka | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 10 |
| Total | 24 | 65 | 0 | 47 | 5 | 6 | 7 | 183 | 241 |

Figure 1.1: Cholera cases by residence Jubek State from 13 to 23 July 2016

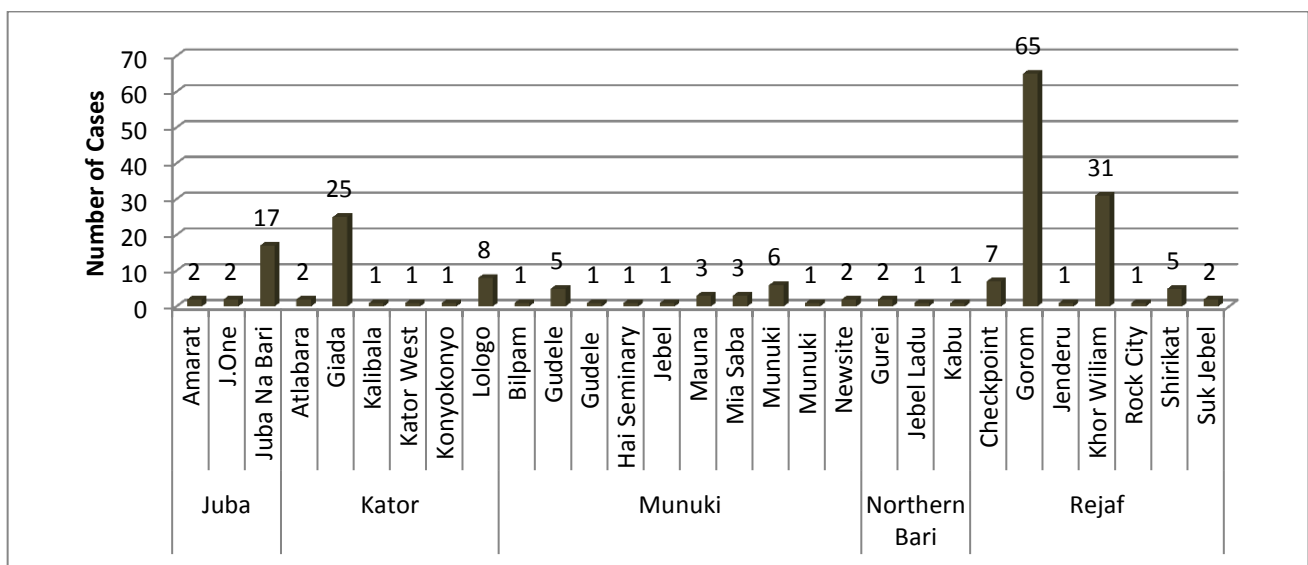


Figure 1.2: New Cholera cases admitted by location Jubek State (23 July 2016)

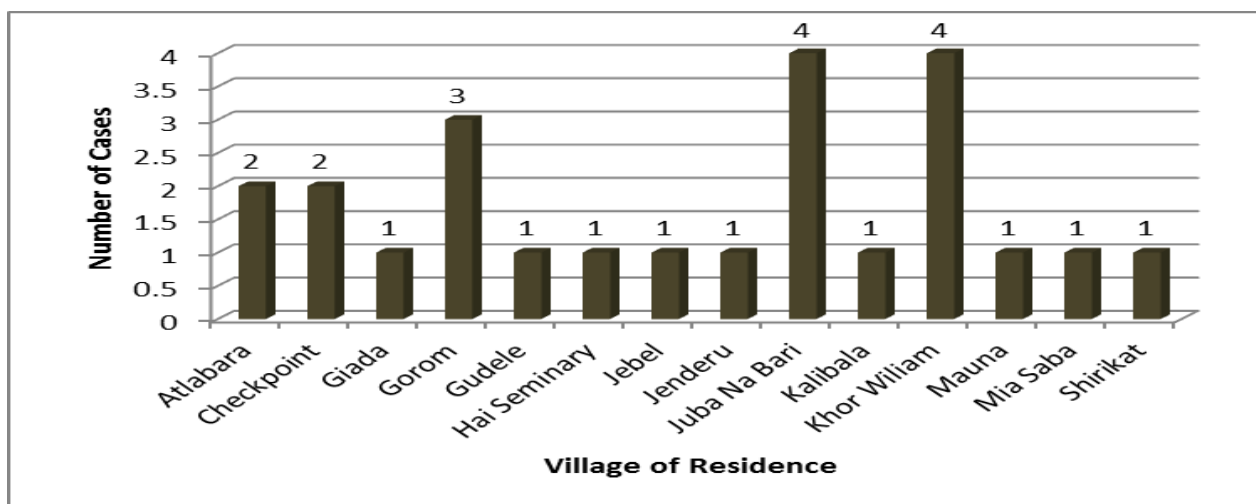
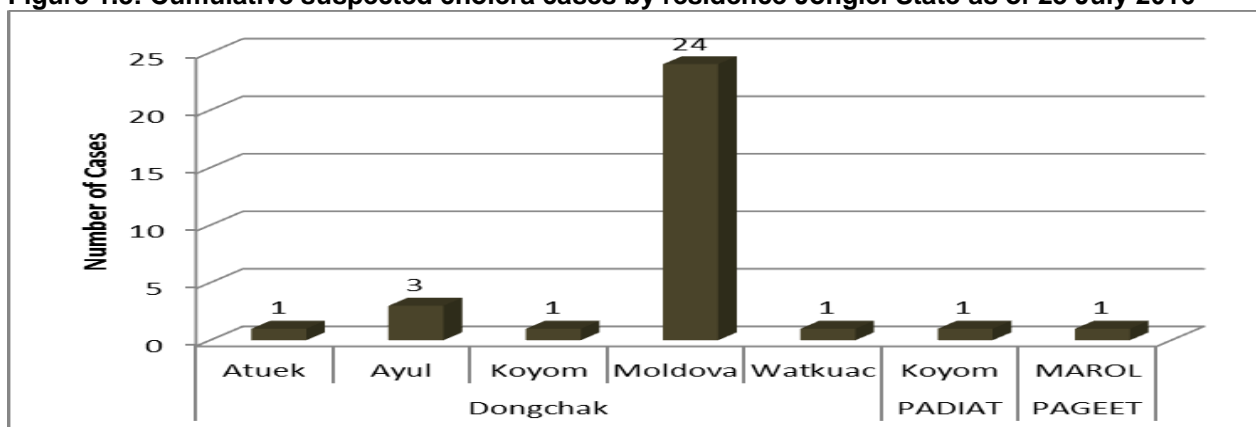


Figure 1.3: Cumulative suspected cholera cases by residence Jonglei State as of 23 July 2016



Cumulatively, 231 cholera cases including 7 deaths (5 facilities and 2 community) have been reported in South Sudan involving 2 states since the initial case was reported on the 3rd July in Jonglei state and 13th July 2016, for Jubek state.

As seen from Figure 2 increasing community transmission was established in Juba from the 12th July 2016

Figure 2:1 Epidemic curve for cholera cases in Jubek State, from 12 to 23 July 2016

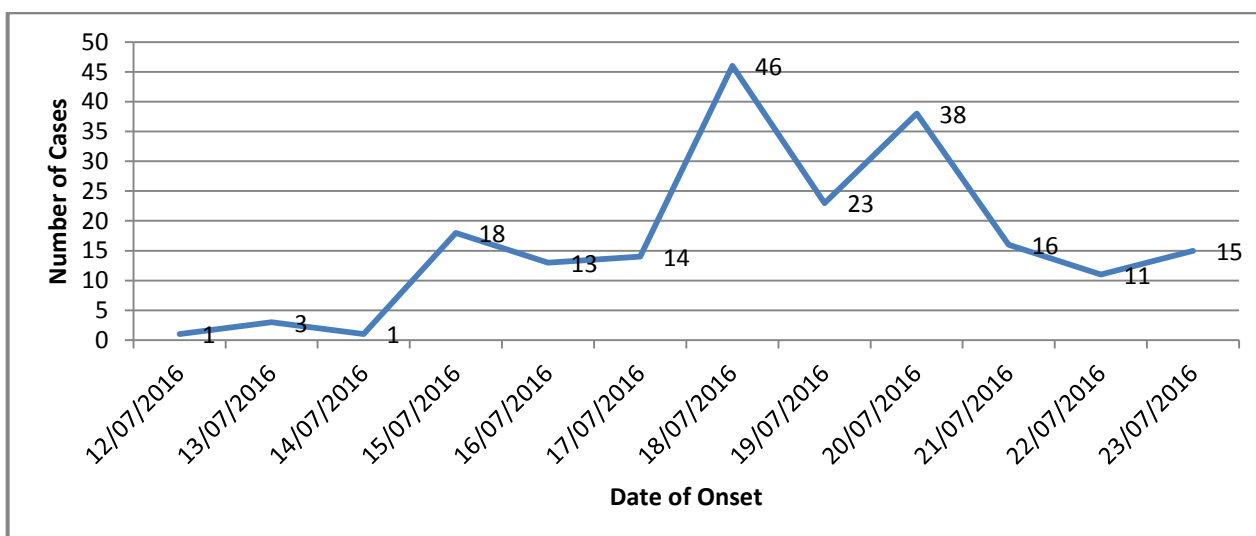


Figure 2:2 Epidemic curve for suspected cholera cases in Jonglei State

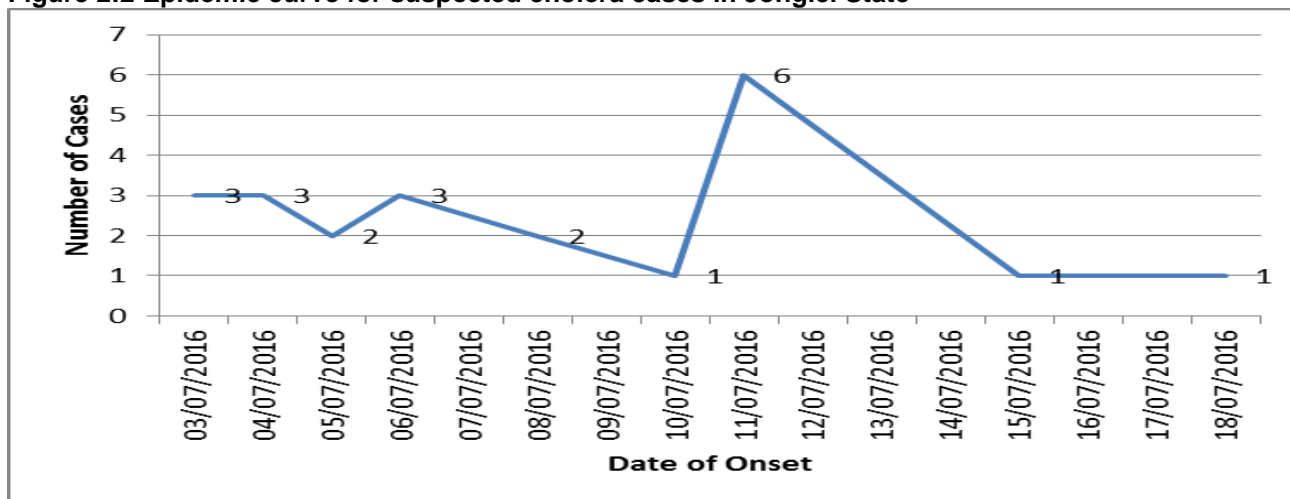
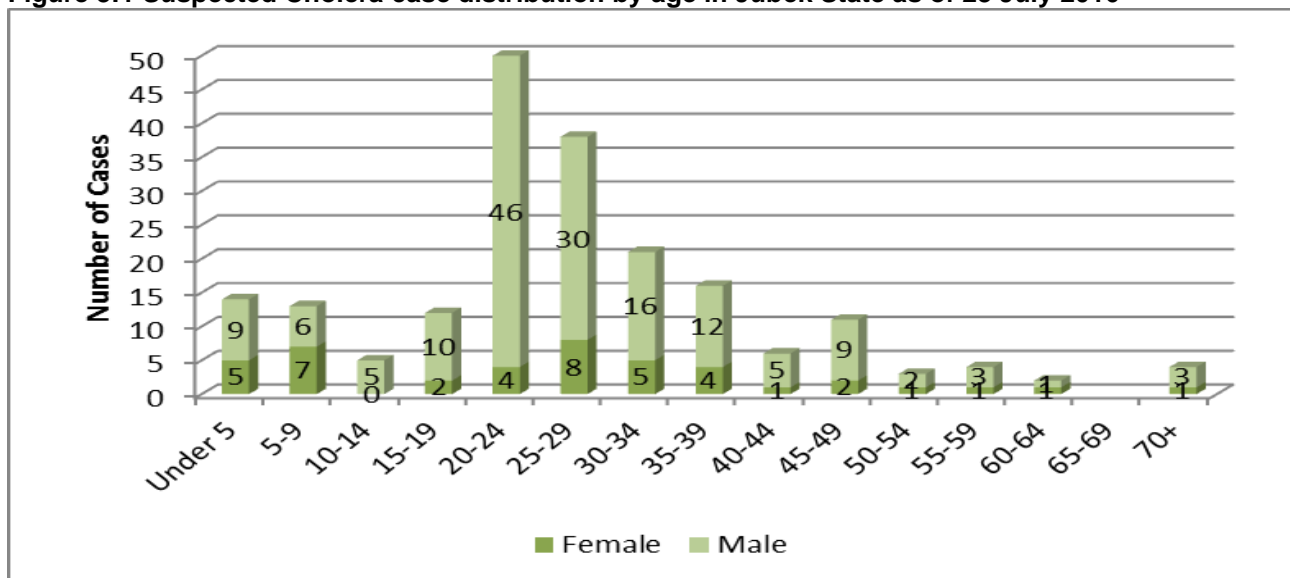
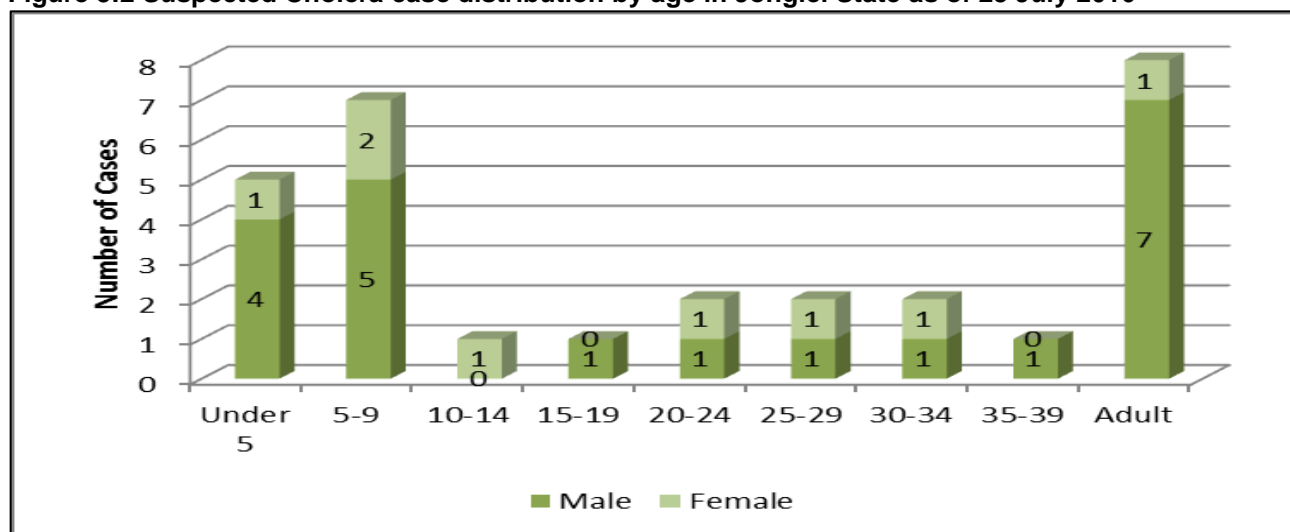


Figure 3:1 Suspected Cholera case distribution by age in Jubek State as of 23 July 2016



Out of the 199 suspected cholera cases in Jubek State, 42(21%) were female, while 157(79%) were male

Figure 3:2 Suspected Cholera case distribution by age in Jonglei State as of 23 July 2016



Out of the 32 suspected cholera cases, in Jonglei State 11(34%) were female, while 21(66%) were male

Table 2: Case distribution by gender and age in Juba as of 23 July 2016

| | | | | | | | |
|-------------|----------|-------------|----------|---------------|---------|----------------|--------|
| South Sudan | 241 | Jubek State | 199 | Jonglei State | 32 | Terekeka State | 10 |
| Female | 60(25%) | Female | 42(21%) | Female | 11(34%) | Female | 7(70%) |
| Male | 181(75%) | Male | 157(79%) | Male | 21(66%) | Male | 3(30%) |

The probable risk factors fueling transmission include: using untreated water from the River Nile and water tankers; lack of household chlorination of drinking water; eating food from unregulated roadside food vendors or makeshift markets; open defecation/poor latrine use; especially following the conflict.

Laboratory updates

Table 3: Cholera laboratory test results for Juba as of 23 July 2016

| State | Health Facility | Number of RDT tests | Number of cholera RDT positives | Number of stool cultures | Number of cholera Culture positives | Results |
|---------------|------------------------|---------------------|---------------------------------|--------------------------|-------------------------------------|-------------------------------|
| Jubek State | Juba Teaching Hospital | 15 | 13 | 13 | 10 | Vibrio Cholera Serotype Inaba |
| Jonglei State | Koyom Health Facility | 2 | 2 | 4 | Awaiting lab result | |
| Terekeka | Terekeka HF | 1 | 1 | 1 | Awaiting lab result | |

Response Activities

1. The daily cholera coordination meeting was conducted at Juba Teaching Hospital Cholera Treatment Center (JTH CTC) to review trends and support the team to improve the quality of care.
2. Ongoing field activity using the integrated approach (surveillance, hygiene, wash and health education) in areas with high number of cases.
3. Mapping of GIS location of cases to guide plans of action.
4. Social Mobilization and Communication and media airing of cholera prevention jingles on mobile devices and radio and distribution of IEC Materials.
5. Monitoring of cholera dedicated line for rumors and other activities.

Planned Activities

- Conduct reactive oral cholera vaccination in Gorom and Giada on 25 July 2017.
- Following the confirmation of cholera in Juba, the national cholera preparedness is being updated and costed to inform the current response.
- Weekly technical meeting by working group.
- Continue GIS mapping of the locations of cases.
- Train rapid response teams in priority counties.
- Follow up on results of pending samples in the laboratory

