

# Sudan

## Medical Summary

*The health risk information presented here is summarized from Shoreland Travax<sup>®</sup>, a decision-support tool used by health care providers to perform a detailed health risk analysis based on specific locations, individual travel styles, and traveler risk behaviors. Travax provides practitioners current, independently researched malaria risk and prevention recommendations in a map-based format that goes beyond the annual WHO and US CDC statements included here. Not included here are current reports from Travax of disease outbreaks or environmental events that may pose elevated risks to travelers' health and safety. The Providers section of this site offers a directory of health care providers who utilize Shoreland Travax for travel health counseling. Learn more about the detailed reports and maps available from these practitioners (includes links to samples).*

## General Information

Sudan is a developing nation classified as lower middle income. Located in northern Africa along the Red Sea, south of Egypt and west of Chad, the climate is classified as dry (arid) in the north and dry (semi arid) in the south.

## Vaccinations

**Routine vaccinations** are essential due to a persistent global rise of vaccine-preventable diseases (especially markedly high rates of diphtheria, pertussis, and measles). Prior to travel, travelers should be up-to-date with the age-appropriate routine vaccinations recommended by their home country, which may include: COVID-19; *H. influenzae* type B (Hib); hepatitis A; hepatitis B; herpes zoster; human papillomavirus; influenza; measles, mumps, rubella (a single early dose is recommended for travelers aged 6-11 months); meningococcal; pneumococcal; polio; rotavirus; tetanus, diphtheria, pertussis (Tdap preferred; consider an early pertussis booster for high-risk travelers); varicella.

## Yellow Fever

Vaccination is usually recommended if you'll be traveling in areas where there is risk of yellow fever transmission.

- *Requirement:* No requirement for any traveler as of November 18, 2022 per the 2022 online update of *International Travel and Health*.
- *Official Status:* listed by WHO as a country where YF transmission risk is present.

## Other Vaccines

Depending on your itinerary, your personal risk factors, and the length of your visit, your health care provider may offer you vaccination against chikungunya, cholera, dengue, mpox, rabies, typhoid fever, or a one time polio booster if you haven't previously received one for travel.

## Malaria

The following is current information as reported by the World Health Organization (WHO) and the US Centers for Disease Control (CDC):

### WHO—*International Travel and Health* (current online update, Country List)

(2022) Malaria risk due predominantly to *P. falciparum* exists throughout the year in the entire country. Risk is low and seasonal in the north; it is higher in the central and southern parts of the country. Malaria risk on the Red Sea coast is very limited.

- Recommended prevention: **C** – Risk of *P. falciparum* malaria. Mosquito-bite prevention plus atovaquone-proguanil or doxycycline or mefloquine chemoprophylaxis (select according to drug-resistance pattern, reported side-effects and contraindications).<sup>a, b</sup>

<sup>a</sup>Alternatively, for travel to rural areas with low risk of malaria infection, mosquito bite prevention can be combined with stand-by emergency treatment (SBET).

<sup>b</sup>In certain areas with multidrug-resistant malaria, mefloquine chemoprophylaxis is no longer recommended. At present, these areas include Cambodia, south-eastern Myanmar and Thailand.

*WHO Country List footnote:* When available, the date of the most recent update or confirmation is indicated in parentheses in the country list. If no accurate date is indicated, the most recent update or confirmation was provided prior to 2013.

## CDC—*Health Information for International Travel* (current online edition)

### Transmission areas

- All

### Drug resistance<sup>1</sup>

- Chloroquine

### Species

- *P. falciparum* (90%)
- *P. vivax* (5-10%)
- *P. malariae* and *P. ovale* (rare)

### Recommended chemoprophylaxis

- Atovaquone-proguanil, doxycycline, mefloquine, tafenoquine<sup>2</sup>

<sup>1</sup> Refers to *P. falciparum* malaria, unless otherwise noted.

<sup>2</sup> Tafenoquine can cause potentially life-threatening hemolysis in people with glucose-6-phosphate-dehydrogenase (G6PD) deficiency. Test for G6PD deficiency with a quantitative laboratory test before prescribing tafenoquine to patients.

## Other Concerns

### Travelers' Diarrhea

High risk exists throughout the country, including in deluxe accommodations. Community sanitation and food safety measures are generally inadequate. Some itineraries (e.g., remote destinations, austere accommodations) and activities (e.g., ecotourism, eating street or local-market food) further increase risk.

Travelers should observe food and beverage precautions, which reduce the likelihood of illness.

Travelers should carry loperamide for self-treatment of diarrhea and, if risk is moderate to high, an antibiotic to add if diarrhea is severe. Consult a knowledgeable health care provider regarding which antibiotic is appropriate for you and most effective for your destination.

### Other Food-Borne Illnesses

Precautions to prevent brucellosis, seafood poisoning may be needed.

### Insect- and Arthropod-Borne Diseases

Filarial infections, leishmaniasis, Rift Valley fever, West Nile virus, Zika may pose a risk. Personal protective measures are important.

### Other Disease and Health Risks

Additional concerns include Crimean-Congo hemorrhagic fever, helminths, leptospirosis, marine hazards, schistosomiasis, sexually transmitted infections, snakebites, tuberculosis.

## Safety and Security

### Key Safety Risks

- Road conditions and traffic collisions
- Public transportation
- Petty crime
- Heightened crime risk for women
- Theft of vehicles

- Scams
- Natural disasters

## Key Security Threats

- Armed conflict
- Risk of terrorist attacks, which may target foreign nationals
- Risk of violent civil unrest
- Risk of violent protests
- Risk of security forces responding to protests with excessive force
- Potential spillover of armed conflict
- Cross-border threats in areas bordering Central African Republic, Chad, Ethiopia, Libya, and South Sudan
- Explosions in public places
- Landmines/unexploded ordnance
- Violent crime
- Kidnapping, which may target foreign nationals
- Random acts of armed violence
- Piracy

## Emergency Contacts

The police emergency number is 999.

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