Iran

Medical Summary

The health risk information presented here is summarized from Shoreland Travax®, 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

Iran is a developing nation classified as upper middle income. Located in the Middle East (north of Pakistan and south of Turkmenistan), the climate is classified as dry (arid) to dry (semi arid), with cooler temperatures in some high-altitude areas.

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 and risk-based routine vaccinations recommended by their home country, which may include:

- COVID-19
- ***H. influenzae*** type B (Hib)
- Hepatitis A
- Hepatitis B: Protection is especially important for those at increased risk.
- 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

Although yellow fever does not occur in Iran, an official yellow fever vaccination certificate may be required depending on your itinerary.

- ***Requirement:***
  A certificate proving yellow fever vaccination is required for travelers aged ≥ 9 months coming from countries with risk of YF transmission. This also applies to airport transit stops (no exit through immigration checkpoint) longer than 12 hours in risk countries.

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 to ***P. vivax*** and very limited risk due to ***P. falciparum*** exist from March through November in rural areas of the provinces of Hormozgan and Kerman (tropical part) and the southern part of Sistan and Baluchestan.

- Recommended prevention in risk areas: **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).[a, b]

  [a]Alternatively, for travel to rural areas with low risk of malaria infection, mosquito bite prevention can be combined with stand–by emergency treatment (SBET).

  [b]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

- Previously, March–November in rural areas of Fars Province, Sistan-Baluchestan Province, and southern, tropical parts of Hormozgan and Kerman Provinces
- Recent outbreaks in Sistan-Baluchestan Province near the border with Pakistan

Drug resistance[1]

- Chloroquine

Species

- ***P. vivax*** (90%)
- ***P. falciparum*** (10%)

Recommended chemoprophylaxis

- Sistan-Baluchestan Province along the border with Pakistan: Atovaquone-proguanil, doxycycline, mefloquine, tafenoquine[2]
- All other areas with previous transmission: No chemoprophylaxis recommended (insect bite precautions and mosquito avoidance only)[4]

  [1] Refers to ***P. falciparum*** malaria, unless otherwise noted.

  [2] 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.

  [4] Mosquito avoidance includes applying topical mosquito repellant, sleeping under an insecticide-treated mosquito net, and wearing protective clothing (e.g., long pants and socks, long-sleeve shirt). For additional details on insect bite precautions, see Mosquitoes, Ticks, and Other Arthropods chapter.

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 may be needed.

Insect- and Arthropod-Borne Diseases

Leishmaniasis, West Nile virus may pose a risk. Personal protective measures are important.

Other Disease and Health Risks

Additional concerns include air pollution, anthrax disease, Crimean-Congo hemorrhagic fever, leptospirosis, marine hazards, plague, schistosomiasis, sexually transmitted infections, snakebites.

Safety and Security

Key Safety Risks

- Road conditions and traffic collisions
- Domestic and/or international air travel
- Petty crime
- Heightened crime risk for LGBTQ+ travelers
- Scams
- Arbitrary arrest/unlawful detention
- Cybersecurity
- Natural disasters

Key Security Threats

- Terrorist attacks by domestic and/or transnational groups, which may target foreign nationals
- 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 Afghanistan, Iraq, and Pakistan
- Explosions in public places
- Kidnapping/hostage taking, which may target foreign nationals

Emergency Contacts

The police emergency number is 110.

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