

## Bosnia And Herzegovina

Capital City : "Sarajevo"  
Official Language: "Bosnian; Croatian; Serbian"  
Monetary Unit: "convertible marka (KM)"

### General Information

The information on these pages should be used to research health risks and to inform the pre-travel consultation. For advice regarding safety and security please check [the UK Foreign and Commonwealth Office \(FCO\) website](#).

Travellers should ideally arrange an appointment with their health professional at least four to six weeks before travel. However, even if time is short, an appointment is still worthwhile. This appointment provides an opportunity to assess health risks taking into account a number of factors including destination, medical history, and planned activities. For those with pre-existing health problems, an earlier appointment is recommended.

All travellers should ensure they have [adequate travel health insurance](#).

A list of useful resources including advice on how to reduce the risk of certain health problems is available below.

### Resources

- [Food and water hygiene](#)
- [Insect and tick bite avoidance](#)
- [Personal safety during travel](#)
- [Sexually transmitted infections](#)
- [Sun protection](#)

### Vaccine Recommendations

Details of vaccination recommendations and requirements are provided below.

#### All Travellers

Travellers should be up to date with routine vaccination courses and boosters as [recommended in the UK](#). These vaccinations include for example [measles-mumps-rubella \(MMR\)](#) vaccine and diphtheria-tetanus-polio vaccine.

Country specific diphtheria recommendations are not provided here. Diphtheria tetanus and polio are combined in a single vaccine in the UK. Therefore, when a tetanus booster is recommended for travellers, diphtheria vaccine is also given. Should there be an outbreak of diphtheria in a country, diphtheria vaccination guidance will be provided.

Those who may be at increased risk of an infectious disease due to their work, lifestyle choice,

or certain underlying health problems should be up to date with additional recommended vaccines. See the individual chapters of the 'Green Book' [Immunisation against infectious disease](#) for further details.

## Certificate Requirements

There are no certificate requirements under International Health Regulations.

## Most Travellers

The vaccines in this section are recommended for most travellers visiting this country. Information on these vaccines can be found by clicking on the blue arrow. Vaccines are listed alphabetically.

### Tetanus

Tetanus is caused by a toxin released from *Clostridium tetani* and occurs worldwide. Tetanus bacteria are present in soil and manure and may be introduced through open wounds such as a puncture wound, burn or scratch.

#### Prevention

Travellers should thoroughly clean all wounds and seek appropriate medical attention.

#### Tetanus vaccination

- Travellers should have completed a primary vaccination course according to the UK schedule.
- If travelling to a country where medical facilities may be limited, a booster dose of a tetanus-containing vaccine is recommended if the last dose was more than ten years ago even if five doses of vaccine have been given previously.

Country specific information on medical facilities may be found in the 'health' section of the [FCO foreign travel advice](#) website.

[Tetanus in brief](#)

## Some Travellers

The vaccines in this section are recommended for some travellers visiting this country. Information on when these vaccines should be considered can be found by clicking on the arrow. Vaccines are listed alphabetically.

### Hepatitis A

Hepatitis A is a viral infection transmitted through contaminated food and water or by direct contact with an infectious person. Symptoms are often mild or absent in young children, but the disease becomes more serious with advancing age. Recovery can vary from weeks to months. Following hepatitis A illness immunity is lifelong.

Those at increased risk include travellers visiting friends and relatives, long-stay travellers, and

those visiting areas of poor sanitation.

### **Prevention**

All travellers should take care with personal, food and water hygiene.

### **Hepatitis A vaccination**

Vaccination is recommended for those whose activities put them at increased risk. This includes:

- those who are staying with or visiting the local population.
- frequent and/or long-stay travellers to areas where sanitation and food hygiene are likely to be poor.
- adventure travellers visiting rural areas and staying in basic accommodation such as backpackers.
- those with existing medical conditions such as liver disease or haemophilia.
- men who have sex with men.
- injecting drug users.
- those who may be exposed to the virus through their work.
- those going to areas of hepatitis A outbreaks who have limited access to safe water and medical care.

[Hepatitis A in brief](#)

## **Hepatitis B**

Hepatitis B is a viral infection; it is transmitted by exposure to infected blood or body fluids. This mostly occurs during sexual contact or as a result of blood-to-blood contact (for example from contaminated equipment during medical and dental procedures, tattooing or body piercing procedures, and sharing of intravenous needles). Mothers with the virus can also transmit the infection to their baby during childbirth.

### **Hepatitis B in Bosnia and Herzegovina**

2% or more of the population are known or thought to be persistently infected with the hepatitis B virus (intermediate/high prevalence).

### **Prevention**

Travellers should avoid contact with blood or body fluids. This includes:

- avoiding unprotected sexual intercourse.
- avoiding tattooing, piercing, public shaving, and acupuncture (unless sterile equipment is used).
- not sharing needles or other injection equipment.
- following universal precautions if working in a medical/dental/high risk setting.

A sterile medical equipment kit may be helpful when travelling to resource poor areas.

## Hepatitis B vaccination

Vaccination could be considered for all travellers, and is recommended for those whose activities or medical history put them at increased risk including:

- those who may have unprotected sex.
- those who may be exposed to contaminated needles through injecting drug use.
- those who may be exposed to blood or body fluids through their work (e.g. health workers).
- those who may be exposed to contaminated needles as a result of having medical or dental care e.g. those with pre-existing medical conditions and those travelling for medical care abroad including those intending to receive renal dialysis overseas.
- long-stay travellers.
- those who are participating in contact sports.
- families adopting children from this country.

[Hepatitis B in brief](#)

## Rabies

Rabies is a viral infection which is usually transmitted following contact with the saliva of an infected animal most often via a bite, scratch or lick to an open wound or mucous membrane (such as on the eye, nose or mouth). Although many different animals can transmit the virus, most cases follow a bite or scratch from an infected dog. In some parts of the world, bats are an important source of infection.

Rabies symptoms can take some time to develop, but when they do, the condition is almost always fatal.

The risk of exposure is increased by certain activities and length of stay (see below). Children are at increased risk as they are less likely to avoid contact with animals and to report a bite, scratch or lick.

### Rabies in Bosnia and Herzegovina

Rabies is considered to be a risk in this country. Bats may also carry rabies-like viruses.

### Prevention

- Travellers should avoid contact with all animals. Rabies is preventable with prompt post-exposure treatment.
- Following a possible exposure, wounds should be thoroughly cleansed and an urgent local medical assessment sought, even if the wound appears trivial.
- Post-exposure treatment and advice should be in accordance with [national guidelines](#).

## Rabies vaccination

A full course of pre-exposure vaccines simplifies and shortens the course of post-exposure treatment and removes the need for rabies immunoglobulin which is in short supply world-wide.

Pre-exposure vaccinations are recommended for travellers whose activities put them at increased risk including:

- those at risk due to their work (e.g. laboratory staff working with the virus, those working with animals or health workers who may be caring for infected patients).
- those travelling to areas where access to post-exposure treatment and medical care is limited.
- those planning higher risk activities such as running or cycling.
- long-stay travellers (more than one month).

[Rabies in brief](#)

### Tick-Borne Encephalitis (TBE)

Tick-borne encephalitis (TBE) is a viral infection transmitted by the bite of infected ticks. Less commonly, cases of TBE occur following ingestion of unpasteurised milk products.

Travellers are at increased risk of exposure during outdoor activities in areas of vegetation (gardens, parks, meadows, forest fringes and glades). Ticks are usually most active between early spring and late autumn.

#### Tick-borne encephalitis in Bosnia and Herzegovina

There is a risk of TBE in some areas of this country. The transmission season varies, however, ticks are most active during early spring to late autumn.

#### Prevention

- All travellers should avoid tick bites during outdoor activities.
- Travellers should check their skin regularly for ticks and remove them as soon as possible with a [recommended technique](#).
- Travellers should not eat or drink unpasteurised milk products.

#### Tick-borne encephalitis vaccination

Vaccination is recommended for those visiting affected areas whose activities put them at increased risk including:

- Those who will be going to live in TBE risk areas
- Those working in forestry, woodcutting, farming and the military
- Travellers to forested areas, e.g. campers, hikers, hunters and individuals who undertake fieldwork
- Laboratory workers who may be exposed to TBE

[Tick-borne encephalitis in brief](#)

### Tuberculosis (TB)

TB is a bacterial infection transmitted most commonly by inhaling respiratory droplets from an infectious person. This is usually following prolonged or frequent close contact.

### **Tuberculosis in Bosnia and Herzegovina**

The average annual incidence of TB is greater than or equal to 40 cases per 100,000 population ([further details](#)).

#### **Prevention**

Travellers should avoid close contact with individuals known to have infectious pulmonary (lung) TB.

Those at risk during their work (such as healthcare workers) should take appropriate infection control precautions.

### **Tuberculosis (BCG) vaccination**

According to current national guidance, BCG vaccine should be recommended for those at increased risk of developing severe disease and/or of exposure to TB infection. See Public Health England's Immunisation against infectious disease, [the 'Green Book'](#).

For travellers, BCG vaccine is also recommended for:

- unvaccinated, children under 16 years of age, who are going to live for more than 3 months in this country. A tuberculin skin test is required prior to vaccination for all children from 6 years of age and may be recommended for some younger children.
- unvaccinated, tuberculin skin test negative individuals at risk due to their work such as healthcare or laboratory workers who have direct contact with TB patients or potentially infectious clinical material and vets and abattoir workers who handle animal materials, which could be infected with TB.

There are specific contraindications associated with the BCG vaccine and health professionals must be trained to administer this vaccine intradermally (just under the top layer of skin).

Following administration, no further vaccines should be administered in the same limb for 3 months.

The BCG vaccine is given once only, booster doses are not recommended.

[Tuberculosis in brief](#)

### **Other Risks**

There are some risks that are relevant to all travellers regardless of destination. These may for example include road traffic and other accidents, diseases transmitted by insects or ticks, diseases transmitted by contaminated food and water, sexually transmitted infections, or health issues related to the heat or cold.

Some additional risks (which may be present in all or part of this country) are mentioned below and are presented alphabetically. Select risk to expand information.

### Biting insects or ticks

Insect or tick bites can cause irritation and infections of the skin at the site of a bite. They can also spread certain diseases.

#### Diseases in Southern Europe

There is a risk of insect or tick-borne diseases in some areas of Southern Europe. This includes diseases such as [Crimean-Congo haemorrhagic fever](#), [leishmaniasis](#) and [West Nile virus](#).

#### Prevention

- All travellers should avoid insect and tick bites day and night.
- There are no vaccinations (or medications) to prevent these diseases.

Further information about specific insect or tick-borne diseases for this country can be found, if appropriate on this page, in other sections of the country information pages and the [insect and tick bite avoidance factsheet](#).

### Influenza (seasonal)

Seasonal influenza is a viral infection of the respiratory tract and spreads easily from person to person via respiratory droplets when coughing and sneezing. Symptoms appear rapidly and include fever, muscle aches, headache, malaise (feeling unwell), cough, sore throat and a runny nose. In healthy individuals, symptoms improve without treatment within two to seven days. Severe illness is more common in those aged 65 years or over, those under 2 years of age, or those who have underlying medical conditions that increase their risk for complications of influenza.

#### Seasonal influenza in Bosnia and Herzegovina

Seasonal influenza occurs throughout the world. In the northern hemisphere (including the UK), most influenza occurs from as early as October through to March. In the southern hemisphere, influenza mostly occurs between April and September. In the tropics, influenza can occur throughout the year.

#### Prevention

All travellers should:

- Avoid close contact with symptomatic individuals
- Avoid crowded conditions where possible
- Wash their hands frequently
- Practise 'cough hygiene': sneezing or coughing into a tissue and promptly discarding it safely, and washing their hands
- Avoid travel if unwell with influenza-like symptoms
- A vaccine is available in certain circumstances (see below)\*

**\*In the UK, seasonal influenza vaccine is offered routinely each year to those at higher risk of developing of severe disease following influenza infection, and certain additional groups such as healthcare workers and children as part of the UK national schedule (see [information on vaccination](#)). For those who do not fall into these groups, vaccination may be available privately.**

If individuals at higher risk of severe disease following influenza infection are travelling to a country when influenza is likely to be circulating they should ensure they received a flu vaccination in the previous 12 months.

The vaccine used in the UK protects against the strains predicted to occur during the winter months of the northern hemisphere. It is not possible to obtain vaccine for the southern hemisphere in the UK, but the vaccine used during the UK influenza season should still provide important protection against strains likely to occur during the southern hemisphere influenza season, and in the tropics.

### **Avian influenza**

Avian influenza viruses can rarely infect and cause disease in humans. Such cases are usually associated with close exposure to infected bird or animal populations. Where appropriate, information on these will be available in the outbreaks and news sections of the relevant country pages. Seasonal influenza vaccines will not provide protection against avian influenza.

[Avian influenza in brief](#)

[Latest News](#)

[Latest Outbreaks](#)