

samples of biological hazards

Biological hazards refer to biological substances that can pose a threat to human health or the environment. Here are some examples of biological hazards:

1. **Pathogenic Microorganisms:** Bacteria, viruses, fungi, and other microorganisms that can cause diseases in humans or animals. Examples include *Escherichia coli* (E. coli), *Salmonella*, HIV, Influenza virus, and Tuberculosis bacteria.¹⁾
2. **Toxins and Venoms:** Substances produced by certain organisms that can cause harm or illness. Examples include snake venom, botulinum toxin produced by *Clostridium botulinum* bacteria, and mycotoxins produced by molds.²⁾
3. **Biological Waste:** Waste materials from biological sources, such as blood, bodily fluids, tissues, or laboratory specimens, which may contain infectious agents or harmful substances.³⁾
4. **Allergens:** Substances that can trigger allergic reactions in susceptible individuals. Examples include pollen, dust mites, certain foods (e.g., peanuts, shellfish), and animal dander.
5. **Biological Agents Used in Biowarfare or Bioterrorism:** Certain pathogens or toxins that can be intentionally used to cause harm or terror, such as anthrax, smallpox, or ricin toxin.
6. **Zoonotic Diseases:** Diseases that can be transmitted between animals and humans. Examples include rabies, avian influenza (bird flu), and Lyme disease.
7. **Biological Contaminants in Food:** Microorganisms or toxins that can contaminate food and cause foodborne illnesses. Examples include *Salmonella*, *Campylobacter*, and *Staphylococcus aureus*.

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<https://www.who.int/health-topics/>

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“The Venomous Reptiles of the Western Hemisphere” by Jonathan A. Campbell and William W. Lamar. Published by Cornell University Press, 2004.

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“Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories” by the Centers for Disease Control and Prevention (CDC). Published in 2012.