

June 9th | National Immunization Day

# Get to know the importance of vaccines

THE DEVELOPMENT OF VACCINES IS A MILESTONE FOR MEDICINE, DUE TO ITS USE FOR THE ERADICATION AND REDUCTION OF TRANSMITTABLE DISEASES.

According to the World Health Organization, immunization through vaccination prevents about 2 to 3 million deaths annually.

Since 1973, Brazil has implemented the National Immunization Program (PNI), which provides, through public health care, one of the largest and most efficient vaccine coverages in the world.

The country distributes around

## 300 million

annual doses of immunobiologics, from vaccines to IV and immunoglobulins.

## 96%

of the vaccines are produced nationally.


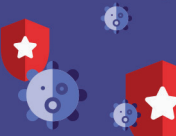

Despite the wide availability of immunization methods, the vaccine rate is dropping among the population and diseases that had previously been eradicated, such as polio and the measles, threaten to make a comeback.

**AWARENESS IS THE ONLY WAY TO AVOID THIS SCENARIO!**



### Check out how vaccines work and why they are safe:

VACCINES STIMULATE THE IMMUNE SYSTEM TO DEFEND ITSELF AGAINST INFECTIONS AND DISEASES

-  **1** At the time of vaccination, a weakened or inactive form of the disease-causing pathogen is introduced into the body.
-  **2** The body's defenses create complementary antibodies.
-  **3** If at any time the disease-causing pathogen attacks the body, the antibodies produced by the vaccine destroy it.

### Safety

All vaccines are 100% safe and undergo a rigorous evaluation from the National Sanitary Surveillance Agency (Anvisa).

### Efficiency

Vaccines have an efficiency that ranges from 90% to 100%.

### Components of a vaccine

VACCINES CAN BE:

**Live-attenuated:** the vaccine has live disease-causing pathogens, although extremely weakened, with no ability to cause disease.

**Inactivated:** the vaccine uses disease-causing pathogens that are either dead, altered or just particles of them.

Both aim to reduce the risk of infection as much as possible by stimulating the immune system to produce antibodies.

**VACCINATION MEANS PROTECTION!**