

Be Wise and Immunize!



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Immune System



- The body's immune system helps protect against pathogens that cause infection.
- However, some pathogens can overwhelm the immune system. When this happens, it can cause serious illness.



what are vaccines?

- The pathogens most likely to cause problems are the ones the body doesn't recognize.
- Vaccination is a way to “teach” the immune system how to recognize and eliminate an organism when the actual pathogen attacks



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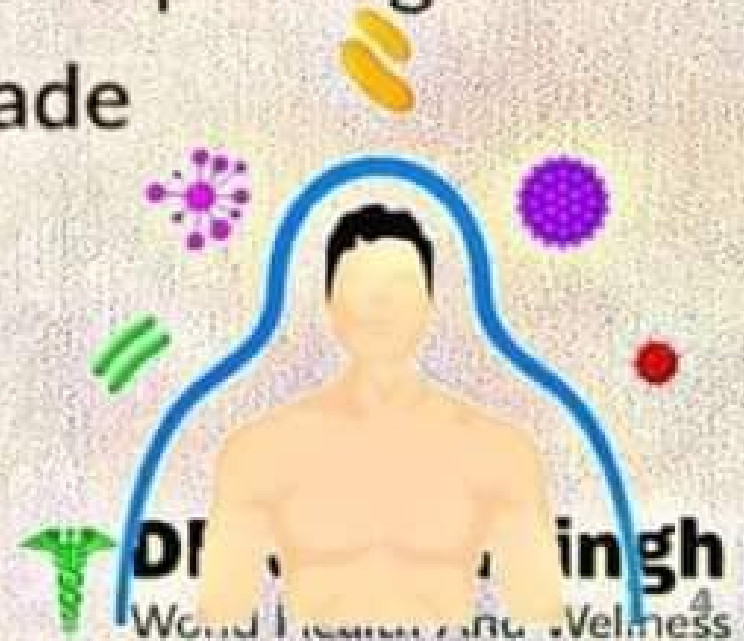
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how do vaccines work?

Vaccines work by exposing you to a safe version of the disease causing organism.

This can be in the form of:

- a protein or sugar from the makeup of a pathogen
- a dead or inactivated form of a pathogen
- a toxoid containing toxin made by a pathogen
- a weakened pathogen
- RNA or DNA to induce production of protein



how is vaccination done?

- Vaccines are usually given either by injection or orally.
- Vaccine contains “antigen”, which helps immune system to identify and memorize the disease causing agent.
- So when the actual pathogen enters body, immune system destroys it immediately.



benefits of vaccines

Vaccinations have allowed us to control diseases that once threatened many lives, such as:



Measles



Polio



Whooping cough



Tetanus



Small Pox



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- Vaccines are considered to be safe. They're rigorously tested before they're used with the general public.
- Vaccines not only protect you. They also protect people around you!

So Don't Hesitate to Vaccinate!





Thank You

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