

BODY IMMUNIZATION SYSTEM & VACCINATION

HOW THE HUMAN BODY
PROTECTS ITSELF AND HOW WE
PREVENT DISEASES.



BODY'S NATURAL DEFENSES

- The body has its own **defense system** against germs.
- **Skin** = first line of defense (works like a wall/barrier).
- Germs cannot easily enter through healthy skin.
- If germs enter the body (e.g., through cuts or mouth), the **immune system** fights them.
- **Immune system** = special cells and organs that attack and destroy germs.





WHY SOME DISEASES KEEP COMING BACK

- For some diseases like the **common cold**:
 - There are **many different viruses**.
 - The body cannot be resistant to all of them.
- That's why colds are **common and recurring illnesses**.

WHAT IS IMMUNIZATION (VACCINATION)?

- Immunization (or vaccination) helps the body's natural defenses.
- A vaccine contains a weakened or dead germ.
- The body “learns” to recognize the germ.
- Later, if the real germ enters → the immune system fights it quickly.



DISEASES PREVENTED BY VACCINATION

VACCINES PROTECT CHILDREN AND ADULTS FROM:



Measles



Tuberculosis (TB)



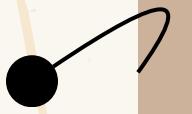
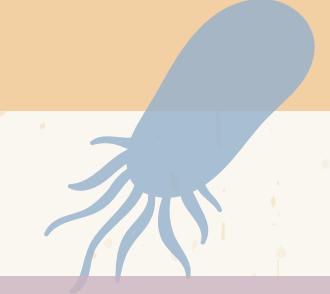
Diphtheria



Tetanus



! DESPITE A LOT OF RESEARCH → NO VACCINE YET FOR AIDS.



WHY IMMUNIZATION IS IMPORTANT

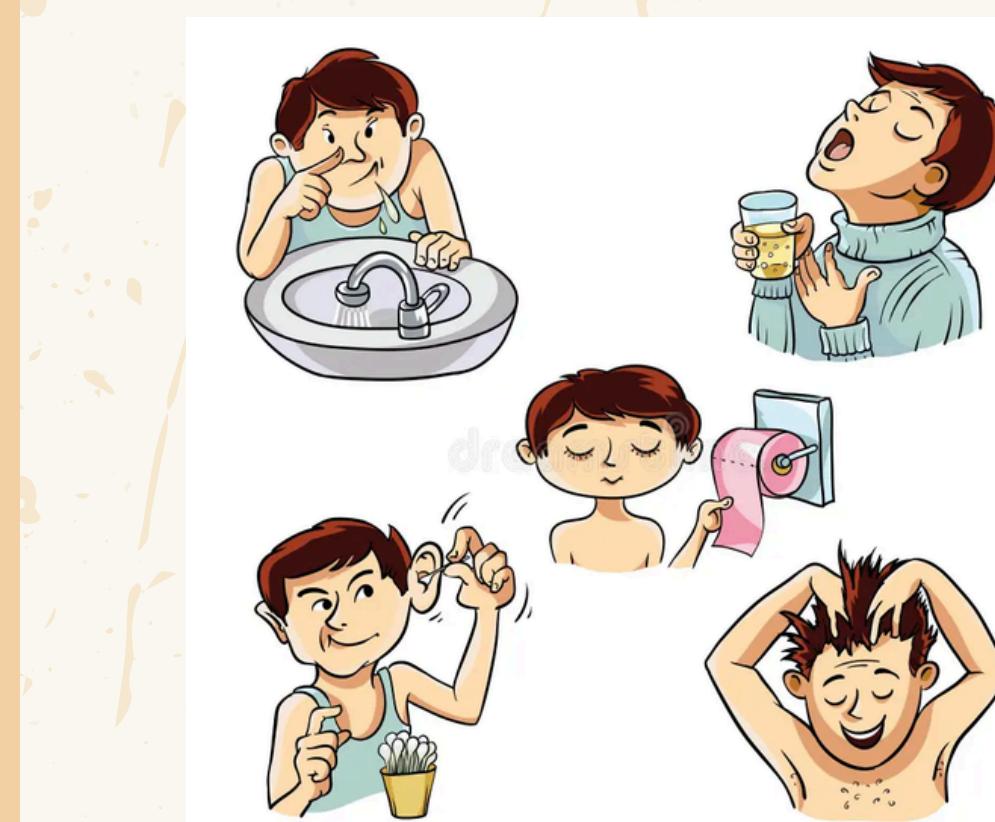
Protects people
from serious and
deadly diseases.

Especially important
for young children.

Saves millions of lives
each year.

Helps protect the whole
community (herd
immunity).

OTHER WAYS TO PREVENT COMMUNICABLE DISEASES



Personal Hygiene

- Wash hands regularly.
- Keep body and clothes clean.
- Brush teeth, bathe daily.



Public Sanitation Programs

- Safe drinking water.
- Proper waste disposal.
- Clean environment → fewer germs.

KEY FACTS TO REMEMBER

- The skin is a natural barrier.
- The immune system fights germs inside the body.
- Vaccination helps the immune system prepare for dangerous diseases.
- Some diseases (like AIDS) still have no vaccine.
- Hygiene + sanitation + immunization = strong protection.



WHAT WE LEARNED (SUMMARY)

- Body defenses: skin + immune system.
- Some diseases return often (like common cold).
- Immunization prevents serious diseases (measles, TB, diphtheria, tetanus).
- No vaccine for AIDS yet.
- Hygiene and sanitation stop disease spread.





Thank you!

