

How Pre-Exposure Prophylaxis (PrEP) Prevents HIV Infection on the Cellular Level

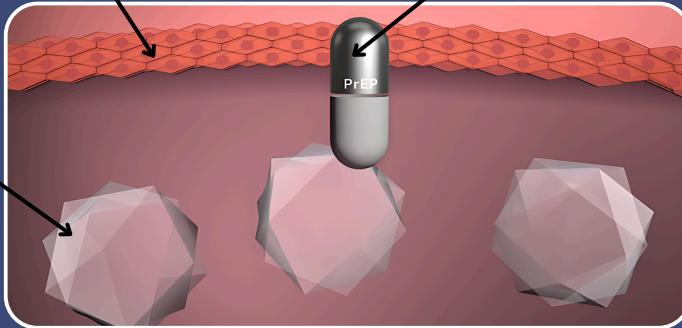
CD4 T Cell Membrane: the outer layer of a CD4 T cell

PrEP Pill Taken Daily

1.

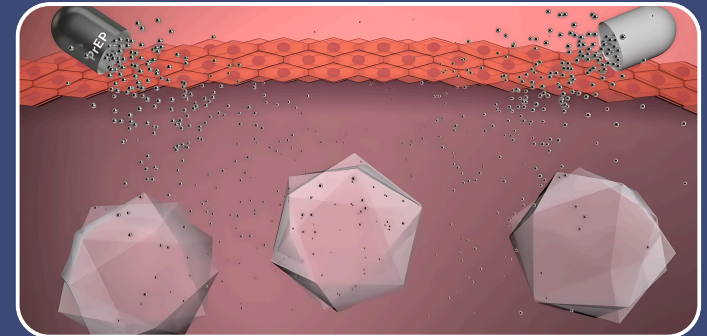
CD4 Cells

CD4 T cells fight off infections and keep you from getting sick



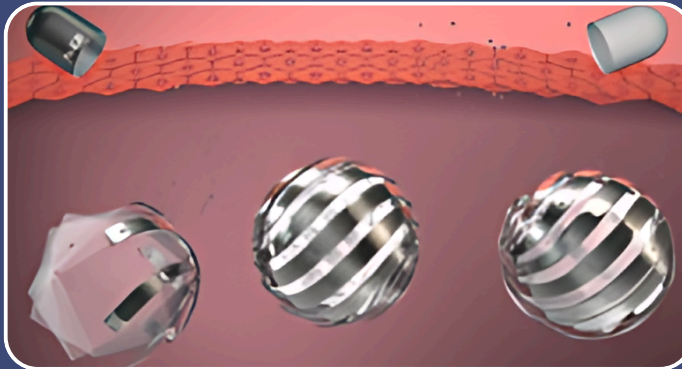
2.

PrEP Starts to Attach to CD4 T Cells



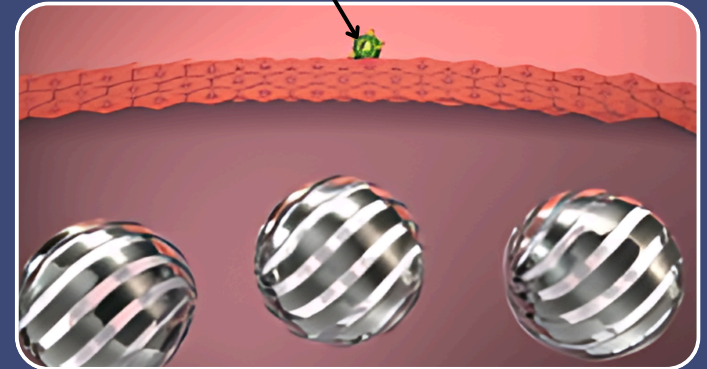
3.

PrEP Forms a Protective Shield Around CD4 T Cells



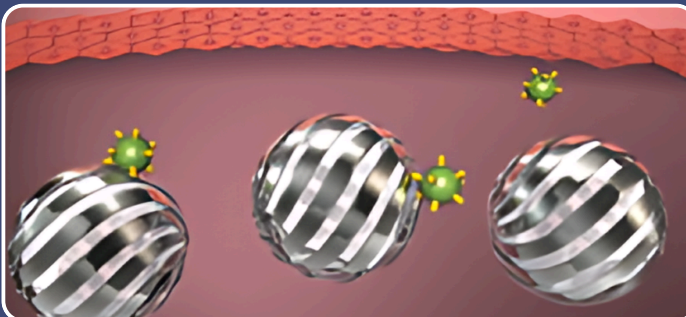
4.

HIV Virus Penetrates the CD4 T Membrane



5.

PrEP Shield PREVENTS the HIV Virus From Infecting the CD4 T Cells!



Source: K. Rivet Amico of U of Connecticut; S. Hosek and C. Balthasar of Stroger Hospital of Cook County of Chicago

