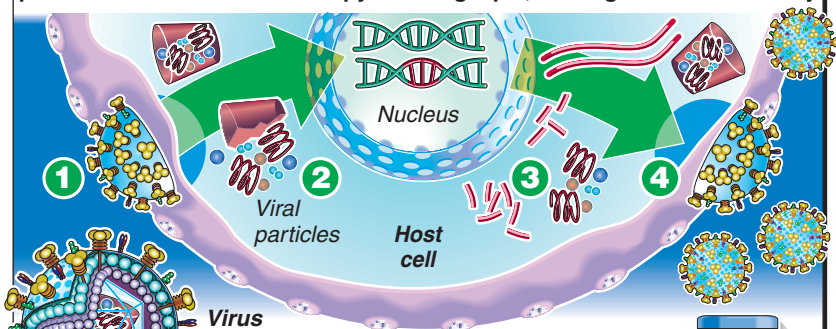


# Once-a-day pill to treat HIV

A combination of anti-retroviral drugs (ARVs) are currently the best treatment for Human Immunodeficiency Virus (HIV), the virus that attacks immune system cells and causes AIDS. Now a drug company has produced a combination therapy in a single pill, costing less than \$1 a day



**1 Fusion Inhibitors:** Block virus from entering host cell. Therapy costs about **\$21,000\*** per year

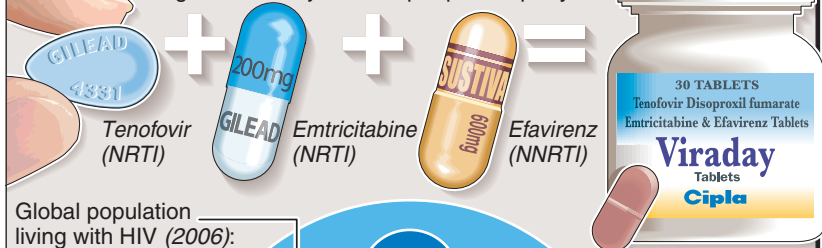
**2 Nucleoside Reverse Transcriptase Inhibitors (NRTIs):** Stop replication of virus by inserting faulty building blocks. Cost **\$2,330**

**3 Non-nucleoside Reverse Transcriptase Inhibitors (NNRTIs):** Bind to and disable *reverse transcriptase* – protein that HIV needs to make more copies of itself. Cost from **\$5,400 to \$8,000**

**4 Protease Inhibitors:** Block *protease enzyme* which is needed for HIV to infect new cells. Cost **\$2,600 to \$2,900**



**Viraday:** Once-daily ARV pill combines three drugs and costs just **\$339** per patient per year



Global population living with HIV (2006): **39.5 million**

Living with HIV in developing countries: **37.1 million**

People receiving ARV therapy in developing countries: **1.65 million**