Consultation on Global Trends of HIV Drug Resistance

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SMART Study:
Benefit of
Continuous
Treatment

START Study: Benefit of Early Treatment





Treatment for all HIV-infected individuals

HPTN 052: Treatment as Prevention



Public Health Benefit

Era of Universal Treatment for HIV

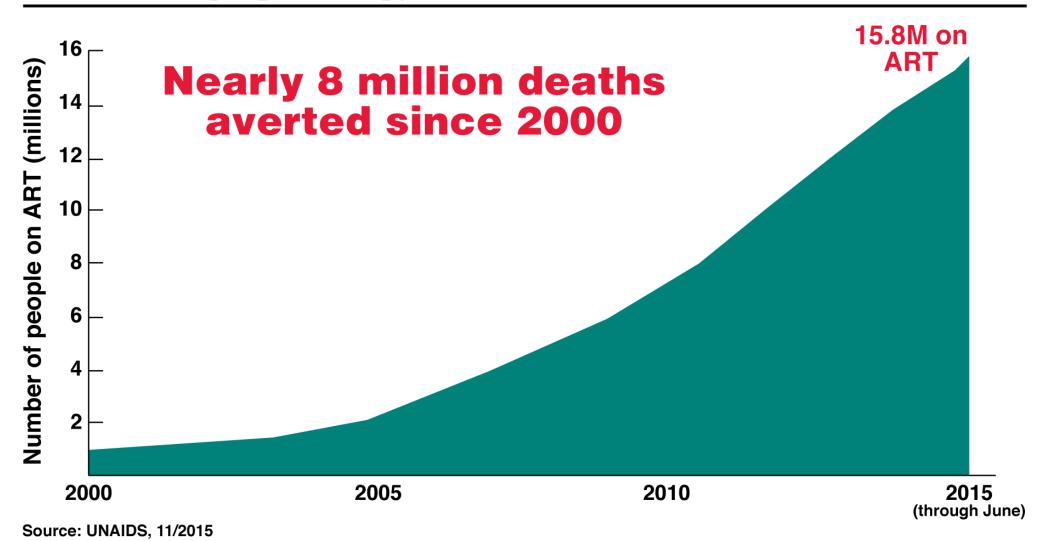
GUIDELINES

GUIDELINE ON WHEN TO START ANTIRETROVIRAL THERAPY AND ON PRE-EXPOSURE PROPHYLAXIS FOR HIV

SEPTEMBER 2015

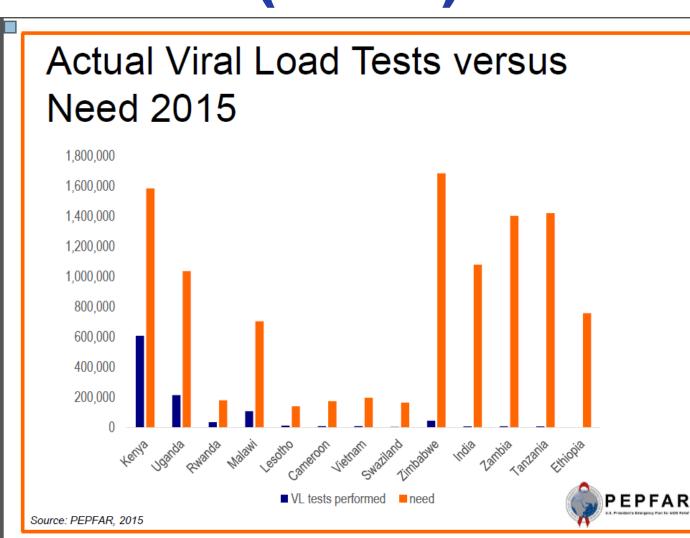
World Health
Organization:
"antiretroviral
therapy (ART)
should be initiated
in everyone living
with HIV at any
CD4 cell count"

Number of HIV-Infected People Globally Receiving Antiretroviral Therapy (ART), 2000-6/2015



HIV Treatment in Low and Middle Income Countries (LMIC)

- ART switch based on clinical and immunologic failure rather than viral load
- Insensitive for detecting virological failure
- Leads to accumulation of resistance mutations



What are the critical questions about HIVDR that need to be addressed?

Critical Questions to Be Addressed in Meeting Sessions

- Current state of HIVDR monitoring in LMIC?
 - What do we know and what do we need to know?
 - What and where are the current data gaps?
- Do the new integrase-based drug regimens alter the concerns about HIVDR?
- What new technologies should be applied to HIVDR testing?
- What are the essential knowledge gaps in HIVDR virology?
 - Clade differences?
- How can we effectively address the implementation gaps in HIVDR testing?
- How can we leverage resources within existing networks for HIVDR testing?