



## The Broadening HIV Prevention Landscape

Public Forum and Stakeholder Consultation

New Perspectives on HIV Prevention – Opportunities and Challenges for Peru

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Zero new HIV infections Zero discrimination Zero AIDS-related deaths

## Why we need a prevention revolution

The number of people accessing antiretroviral therapy has *increased 12-fold in just 6 years* but:

- Globally, 3 of every 5 people who are eligible for treatment<sup>o</sup>§ are not accessing it - 9 million people are waiting now
- New infections are outstripping expansion of treatment availability - for every 1 person who starts taking antiretroviral treatment, another 2 are newly infected
- Great progress yes but we are not keeping up, we are increasingly behind
- We need a prevention revolution!

## **UNAIDS Strategy: Getting to Zero**

Vision and goals: Strategic directions:

**Zero new infections** Revolutionize prevention

**Zero AIDS-related deaths** Catalyze the next phase

of treatment care and

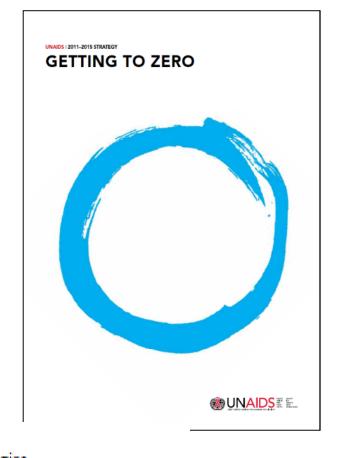
support

**Zero discrimination** 

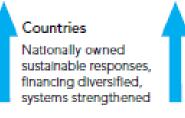
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Advance human rights and gender equality for

**HIV** response







Synergies

Movements united,
services integrated,
efficiencies secured across
Millennium Development Goals



## **Combination prevention**

- <u>Tailored</u> to national and local needs and contexts
- Combines <u>biomedical</u>, <u>behavioural and structural</u> elements to reduce both immediate risks and underlying vulnerabilities
- Fully <u>engages</u> affected communities, promoting human rights and gender equality
- Operates <u>synergistically</u> on multiple levels—individual, family and society
- Invests in <u>decentralized</u> and community responses and enhances coordination and management
- <u>Flexible</u>—adapts to changing epidemic patterns and can rapidly deploy innovations

# Know your epidemic and response synthesis process

Epidemiological Review: Drivers/ country specificity

Prevention policies, response and strategic info review

ANALYSIS OF EPIDEMIC

(modelled or otherwise)

SYNTHESIS

Review of resources for prevention

Incidence data

**ANALYSIS OF RESPONSE** 



#### **Investment Framework**

For Whom? Explicitly identify and prioritize populations based on the epidemic profile How? Use the Human Rights approach to achieve dignity and security

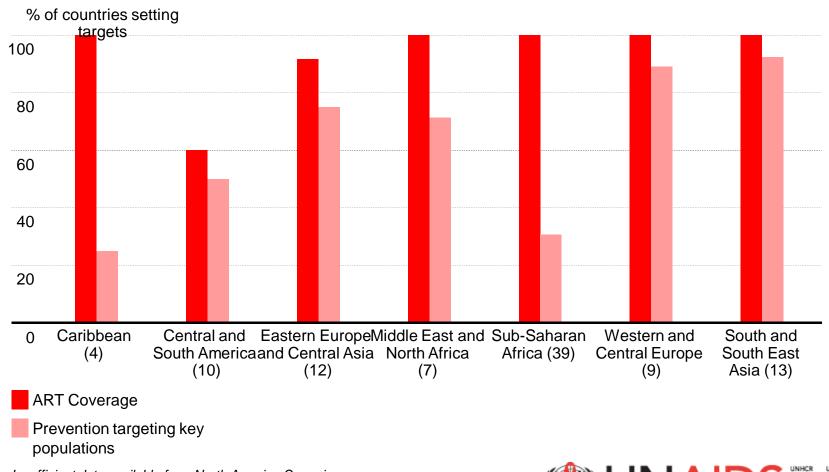
#### **Objectives** BASIC PROGRAMME ACTIVITIES Reduce risk CRITICAL ENABLERS SOCIAL ENABLERS Condom promotion and Political commitment and advocacy Behaviour Change Laws, legal policies and practices programmes to PLWH Treatment care and support Key populations (Sex Work, distribution Community mobilization MSM, IDU Programmes Male Circumcision\* Stigma reduction ikelihood of ansmissio PMICI Mass media Local responses to change risk (incl. facility-based testing) environment PROGRAMME ENABLERS Community centered design and delivery Programme communication nd morbidi mortality Management and incentives Reduce Procurement and distribution Research and innovation

SYNERGIES WITH DEVELOPMENT SECTORS

Social protection, Education, Legal reform, Gender equality, Poverty reduction, Gender-based violence. Health systems (incl. STI treatment, Blood safety), Community systems, Employer practices

<sup>\*</sup> Applicable in generalized epidemics with low male circumcision prevalence

## Countries setting universal access targets, by region 2004–2010



Insufficient data available from North America, Oceania,

East Asia.



UNODC ILO UNIISCO WHO WORLD BANK

### The Risk Environment for People who Inject Drugs

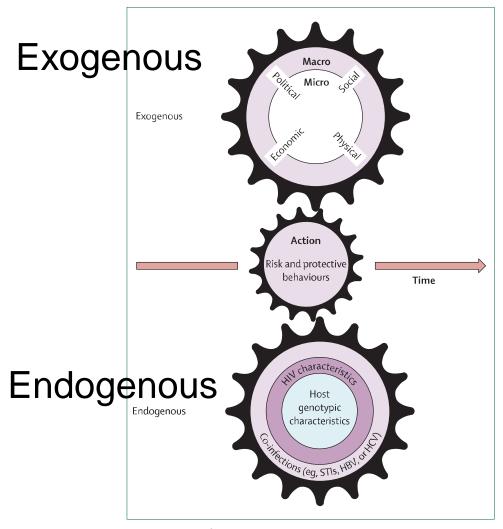


Figure 1: HIV risk factors in injecting drug users

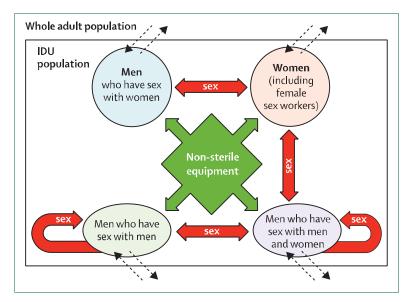


Figure 2: Routes of HIV transmission among populations of IDUs
Population subgroups and risk of HIV infection from shared use of injection
equipment (green arrows) and sex (red arrows) are shown. Dashed arrows
show entry and exit to the injecting drug user population (ie, start or stop of
drug injections). IDU=injecting drug users.



Which approaches have been proven effective and warrant scale up for preventing sexual spread of HIV?



### Male and female condoms

- Male condom effectiveness
  - Meta-analyses: Greater than 90% when used correctly and consistently

(Condoms for HIV prevention in developing countries: a review of the scientific literature. UNAIDS 2003)

- Cochrane Review: always vs. never: 80% reduction in incidence
- Female condoms: (Peters et al 2010)
  - minimal investment in R&D by global public policy makers;
     resultant price monopolies: 25 times price of male condom
  - WHO ambivalence to recommend washing and reuse
  - lack of active promotion by UNAIDS contributing to low demand
  - stock-outs
  - underproduction with no economies of scale
  - Good acceptability with frustrated demand

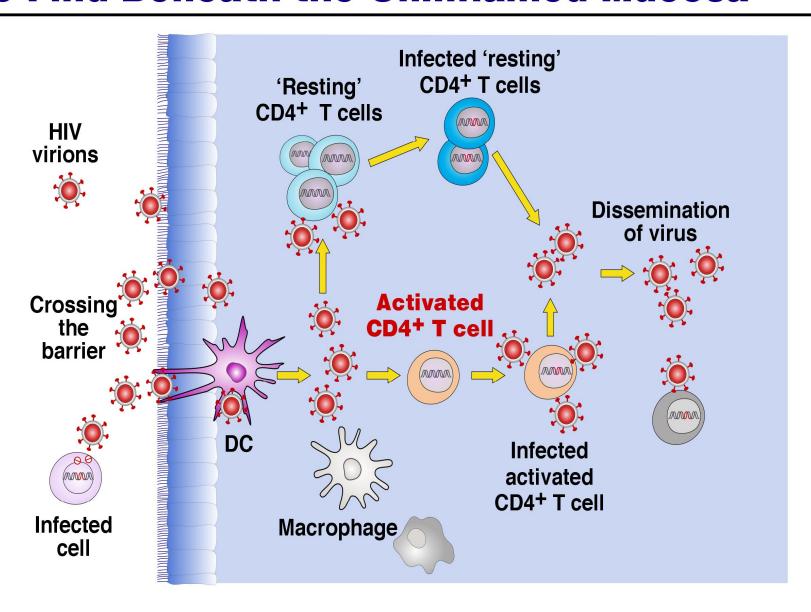




## Sexually transmitted infections (STI)

- majority of STI cases worldwide are viral (HSV-2, HPV) and not curable through syndromic management
- STI treatment is important to reduce symptoms and onward STI transmission.
- Same strategies prevent sexual transmission of STI as prevent sexual transmission of HIV
- Asymptomatic HSV-2 shedding suggests ongoing inflammatory processes; HSV-2 suppression trials flat
- Preventing HSV-2 has potential for significant declines in transmission of HIV

## Activated CD4<sup>+</sup> T Cells are Difficult for the Virus to Find Beneath the Uninflamed Mucosa



# **Sexual Transmission of HIV is Typically the Result of a Single Infectious Event**

