

Population and Consumption on Climate Change and HIV



“ As of 2019, we have 11 years left to prevent irreversible damage from climate change ”

- The United Nations



Climate Change



Increased:

- Temperature & precipitation
- Frequency of environmental disasters
- Disruption of resources



Population



- Social disruptions
- Population displacement & migration
- Decreased food security & nutrition



HIV Epidemic



- Increased risk of HIV acquisition

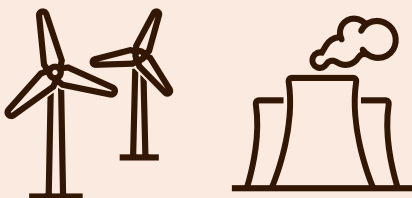
Nationally Determined Contributions (NDCs)

The Paris Agreement commitments **require the development of NDCs to outline climate actions from countries**

20/20/20 Target Goals :



- 20% reductions in emissions
- 20% increase in renewable energy
- 20% increase in energy efficiency



Shortcomings of NDCs

- Vary by country so there are **no requirements to set and achieve specific emission targets by a specific date**
- Difficult to evaluate how **ambitious** NDCs are

Demographics & Consumption

Higher income countries are usually the **main contributors of greenhouse gas emissions** & most likely to have **insufficient NDCs**



Higher fertility and population size are associated to **higher consumption** and **greater greenhouse gas emissions**

Population in Climate & HIV Policy

Population growth impacts **consumption** and **emission levels** worldwide

To **improve NDC goals**, **consideration of population growth** is needed in **climate policy** to achieve our targets

Advancements in HIV testing and treatment have contributed to the 90-90-90 UNAIDS targets:

- 90% of all people living with HIV know their status
- 90% of all people diagnosed HIV infection receive antiretroviral therapy (ART)
- 90% of all people on ART will have viral suppression



Further support and **funding** is needed to avoid case rebounds

Policy plans such as the Presidential Emergency Plan for AIDS Relief (PEPFAR) **do not mention population policy**, despite its implications on the risk of HIV

What Can We Do?

To **mitigate climate change**, we need **ambitious NDCs**

NDC targets and climate policy should include **consumption factors**

Out of 160 NDCs, **only 1 considers girl's education**

Inclusion of women in decision making and setting of NDC's is crucial to improve **women's reproductive rights, justice and education**

Population policy in HIV policy can **help** reach the 90-90-90 goals

Increased funding & global collaboration can **build strategies and policies** for **prevention of current epidemics and future pandemics**

This information was presented on May 20th, 2020 as a contribution to the series: "Learning and Relearning for Planetary Health"
<https://learningforplaneta.wixsite.com/website/webinar-6>