

# Effectiveness of HIV pre-exposure prophylaxis in Peru

October 9 2012

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In this week's *PLOS Medicine*, Anna Borquez from Imperial College London and an international group of authors developed a mathematical model representing the HIV epidemic among men who have sex with men (MSM) and transwomen in Lima, Peru as a test-case for the effectiveness of HIV pre-exposure prophylaxis (PrEP).

The model was used to investigate the population-level impact, cost, and cost-effectiveness of PrEP under a range of different scenarios.

The authors found that strategic PrEP intervention could be a cost-effective addition to existing HIV prevention strategies for MSM populations.

However, despite being cost-effective, a substantial expenditure would be required to generate significant reductions in incidence of HIV.

**More information:** Gomez GB, Borquez A, Caceres CF, Segura ER, Grant RM, et al. (2012) The Potential Impact of Pre-Exposure Prophylaxis for HIV Prevention among Men Who Have Sex with Men and Transwomen in Lima, Peru: A Mathematical Modelling Study. *PLoS Med* 9(10): e1001323. [doi:10.1371/journal.pmed.1001323](https://doi.org/10.1371/journal.pmed.1001323)

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