

Effectiveness of HIV pre-exposure prophylaxis in Peru

October 9 2012

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)

Provided by Public Library of Science

Citation: Effectiveness of HIV pre-exposure prophylaxis in Peru (2012, October 9) retrieved 3 May 2024 from <https://medicalxpress.com/news/2012-10-effectiveness-hiv-pre-exposure-prophylaxis-peru.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.