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Article



## Do Information Technologies Improve Teenagers' Sexual Education? Evidence from a Randomized Evaluation in Colombia

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**Abstract**

This study reports results from a randomized evaluation of a mandatory six-month Internet-based sexual education course implemented across public junior high schools in 21 Colombian cities. Six months after finishing the course, the study finds a 0.4 standard deviation improvement in knowledge, a 0.2 standard deviation improvement in attitudes, and a 33 percent increase in the likelihood of reducing teachers for condoms as a result of taking the course. The data provide no evidence of spillovers to control classrooms within treatment schools. However, the analysis provides compelling evidence that treatment effects are enhanced when a larger share of a student's friends also takes the course. The low cost of the online course along with the effectiveness the study documents suggests this technology is a viable alternative for improving sexual education in middle-income countries.

**JEL classification:** O12, I2, I1

**Keywords:** information technologies, Internet, sex education, teenagers, field experiment, Colombia

### 1. Introduction

Providing effective sexual education to teenagers is a pervasive worldwide policy challenge. In many countries, conservative norms lead to restricted sexual education curricula. Deficient sexual education partially explains the high levels of sexually transmitted diseases and teenage pregnancies that are observed in many of the world's developing countries (WHO 2004). Making matters more consequential for youth, in poor countries there is an acute lack of resources, health system capabilities, and best practices to treat sexually transmitted diseases (Fortson 2009).

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Colombian cities. Six months after finishing the course, the study finds a 0.4 standard deviation improvement in knowledge, a 0.2 standard deviation improvement in attitudes, and a 55 percent increase in the likelihood of redeeming vouchers for condoms as a result of taking the course. The data provide no evidence of spillovers to control classrooms within treatment schools. However, the analysis provides compelling evidence that treatment effects are enhanced when a larger share of a student's friends also takes the course. The low cost of the online course along with the effectiveness the study documents suggests this technology is a viable alternative for improving sexual education in middle-income countries.

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