



Center for Health Decision Science • Harvard School of Public Health

Please join us for a Health Decision Science Seminar at

**3:30 p.m. on Wednesday, April 16**

*2<sup>nd</sup> Floor Conference Room, 718 Huntington Ave*

**Jennifer Gilbert**

PhD Candidate in Epidemiology and Public Health  
Yale University

## ***Evaluating an Integrated TB/HIV Screening Program in Rural South Africa***



The burdens of drug susceptible and resistant TB, as well as that of HIV, are devastating in South Africa. The interaction between HIV and TB within coinfecting individuals has exacerbated the TB/HIV co-epidemic in countries where HIV is prevalent. In response, the WHO recommends an integrated approach to TB and HIV interventions in these settings. Intensified TB and HIV case finding within the community has the potential to supplement existing control strategies, but its impact on the TB/HIV co-epidemic has yet to be investigated. We developed a mathematical model that incorporates both TB and HIV transmission and cost to evaluate the impact of integrating TB and HIV screening on curtailing the co-epidemic in rural South Africa, as well as the cost-effectiveness.

[chds@hsph.harvard.edu](mailto:chds@hsph.harvard.edu)



Center for Health Decision Science

Harvard School of Public Health  
718 Huntington Avenue, Boston, MA 02115