

Lessons from the Broad Street Pump: The importance of addressing structural factors that drive HIV



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Disease determinants

Factor

Biological Behavioural Social



Intervention -> Bio-medical Educational Structural

Source: Adapted from Jim Thomas, Measure Evaluation





Structural interventions

(behavioral) (structural)

High ← Personal Volition → Low

Individual responsibility

HIV "Have fewer partners"

(to reduce transactional sex)

Improve livelihoods

Obesity "Exercise more"

Create walkable neighbourhoods

Hazardous "Drink responsibly" drinking

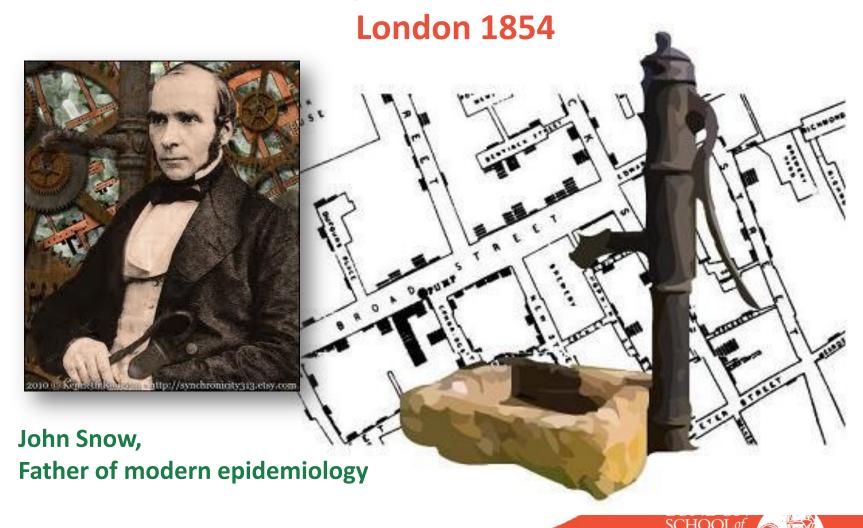
Regulate alcohol advertising and promotion

Source: Adapted from Jim Thomas, Measure Evaluation





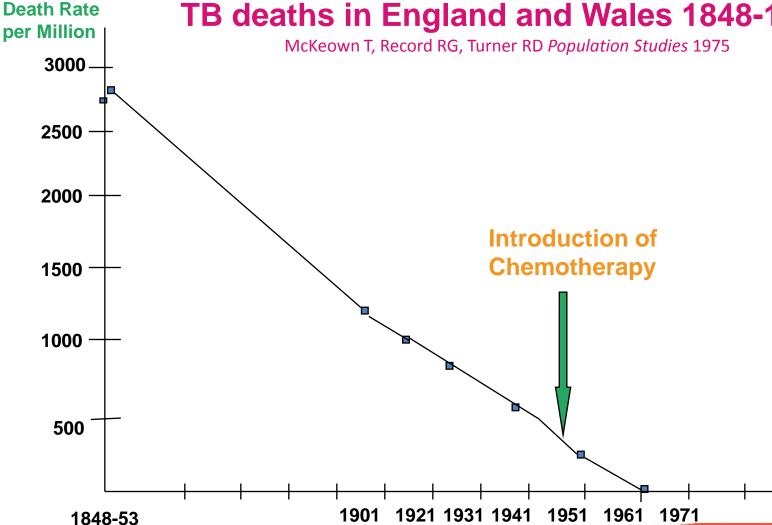
Stemming the tide of cholera







The historical decline of TB deaths in England and Wales 1848-1961



Source: Paul Pronyk





STRIVE Priority Research Topics









Designed around 4 research themes

- Theme 1: Deepening fundamental understanding of structural factors and pathways
- Theme 2: Evaluating the impact and cost-effectiveness of structural interventions
- Theme 3: Advancing methods for evaluating structural interventions; and
- Theme 4: Enhancing insights into processes of change





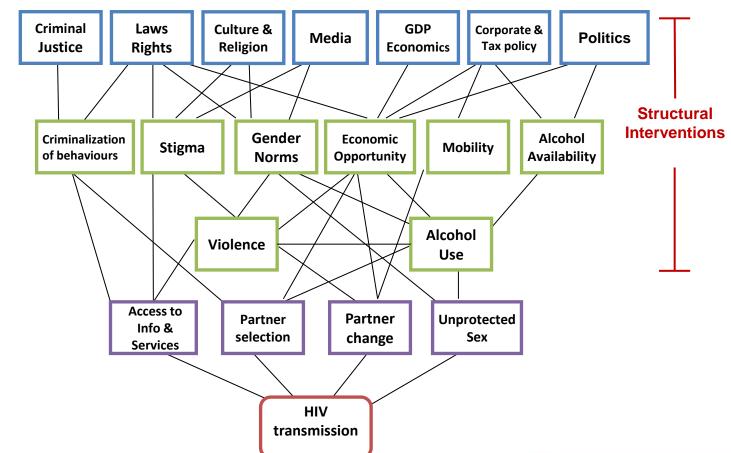


Conceptual framework

MACRO LEVEL

Structural Drivers

Proximate
Determinants
of Risk









Evidence of Impact: Partner violence

3 prospective studies link IPV with Incident HIV or STI

	IRR (95% CI)	p value	HSV2-adjusted IRR (95% CI)*	p value		
Relationship power scale						
Medium or high equity	1.00		1-00			
Low equity	1.51 (1.05-2.17)	0-027	1.51 (1.05-2.17)	0.027		
Physical or sexual intimate partner violence						
None or one	100		1-00			
>1 episode	1.65 (1.13-2.40)	0.009	1.51 (1.04-2.21)	0.032		
RR=incidence rate ratio. HSV2=herpes simplex virus type 2. IRRs adjusted for age, treatment, stratum, and personvears of exposure. *Additionally adjusted for HSV2 infection at baseline. Fable 4: Relative HIV incidence with exposure to both partner violence and relationship inequity						

*Strongest data comes from South Africa: Jewkes et al, The Lancet, 2010;

Cross-sectional data more mixed; methodological limitations
Consistent association found between more severe IPV and HIV risk







Evidence of Impact: Livelihood options, transactional sex & HIV

- 2 longitudinal studies; 1 RCT link transactional sex to incident HIV*
- Cohort study, embedded in intervention trial, enrolled 1077 sexually active, HIV- women 15-26 yrs in rural South Africa
 - HIV incidence:
 - 3 times higher among girls with a once-off partner
 - 2 times higher among girls with on-going concurrent partner
- Effect over and above adjustments for total number of partners,
 relationship control, violence and other potentially confounding factors
- Not mediated through partner age









Transactional sex & HIV: Conditional Cash Transfer Trial in Zomba, Malawi

Cash transfer scheme to keep girls in school – Zomba, Malawi

\$10/month provided to HH of in and out-of-school girls (13-22 yrs)

30% went directly to girls

(Baird et al., 2010 & 2012)



35% reduction school drop-out rate



40% reduction early marriages



76% reduction in HSV-2 risk



30% reduction in teen pregnancies



64% reduction in HIV risk



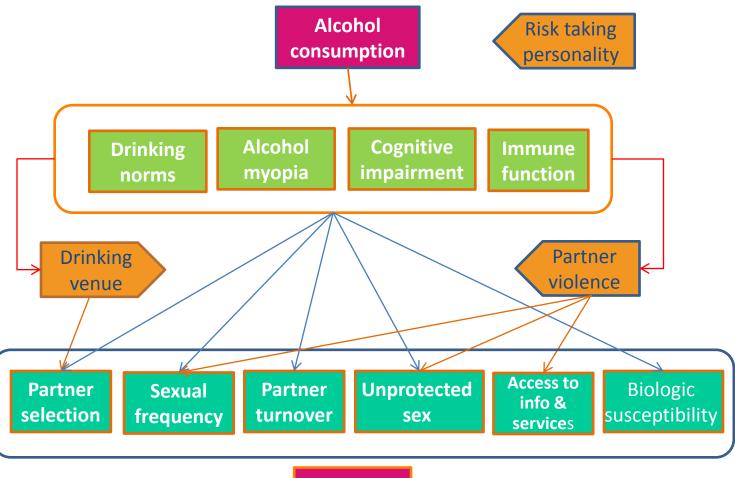
Results after 18 months among baseline school girls







Evidence of impact: alcohol use



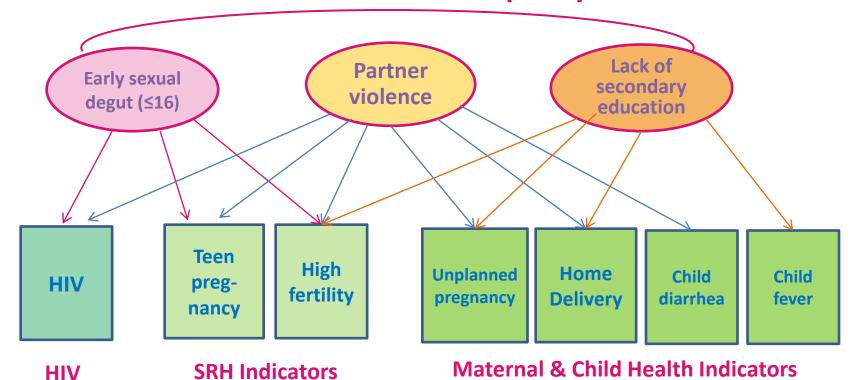






Capturing the multiple benefits of intervening "upstream"

Indicators of Gender Inequality











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RESEARCH ON STRUCTURAL CHANGE TO PREVENT HIV



Social forces drive the HIV epidemic and block prevention efforts. STRIVE partners investigate how structural factors create vulnerability and what programmes work to tackle them.

Affiliated projects

Phuza Wize

Phuza Wize (or "consume sensibly") is a five-year campaign of STRIVE affiliate, Soul City Health and Development Institute, to reduce alcohol use a

Drivers: Alcohol, Gender inequality and violence Methods: Changing social

norms



Latest



Resources

What Works to Prevent Partner Violence? An Evidence Overview

Lori Heise reviews the empirical evidence of what works in low- and middle-income countries to prevent violence against women by their

STRIVE on twitter



hivdrivers

Unicef's Report Card on #Adolescents 2012, in Indian press. t.co/uKrMPhhg

1 day 8 hours ago.



Measuring HIV stigma and discrimination

TECHNICAL BRIE >> MARCH 2012

Authors: Anne L. Stangl, Laura Brady and Katherine Fritz from the International Center for Research on Women, Washington, DC

This brief is designed to guide researchers to study HIV stigma, either as the main focus or as an add-on. It outlines the key domains of HIV stigms that need to be measured if we are to understand how stigms



Figure 1. Reducing HIV stigma and discring for programme implementation and me

	GENERAL POPULATION	HEALTHCARE WORKERS*	PEOPLE LIVING WITH HIV" AND KEY POPULATIONS
DOMAIN			
Fear of Infection	Do you fear that you could become infected with HIV If you are exposed to the salve of a person living with HIV?	How worried are you of becoming intercted with hir You Hir Minched patients I You did the following: Onessed the wounds of a patient living with HIV ' To play the youth of a patient living with HIV ' To you typically use any of the following measures when providing care of services for a patient living with HIV ' A working physical contact ' A working physical contact ' The woman's HIV postitive? The woman's HIV postitive? The woman's HIV postitive?	Not a gorinados.
Shame	Do you agree or disagree with the following statement: I would be ashamed I someone in my family had HIV	Do you agree or disagree with the following statement: People with HIV should feel ashamed of themselves I would be ashamed If I were intected with HIV	Do you agree or disagree with the following statement: People think that having HIV is shameful and they should not be associated with me
Structural drivers and facilitators	Further development needed. Currently national governments have to report whether they have an anti-discrimination policy and whether they have incorporated stigma into their national plans for addressing HW.	My health facility has policies to protect HIV-positive patients from discrimination	Have you heard of [Insert the best-known nat on all awypoilcy or set of guidelines roam your country], which protects it he rights or people living with HIV in this country? If yes, have you ever read or discussed the content of this law/policy/set of guidelines?
Anticipated stigma	In your opinion, are people hestiant to take an HIV test due to fear of people's reaction if the test result is positive for HIV?	In your opinion, are healthcare workers hestant to take an HIV test due to lear of people's reaction if the test result is positive result?	In the last 12 months, have you been fearful of any of the following things happening to you whether or not they actually have happened to you? Being gossiped about Being grahally insulted, harassed and/or breatened Being physically harassed and/or threatened Being physically sassuited
intemalized stigma	Not applicable.	Not applicable.	in the last 12 months, have you experienced any of the following feelings because of your HIV status? I feel ashamed I feel guilty I blame myself I blame others I have low self-esteem I feel is hour does not be feeling to be a feeli

- These questions are currently being piloted by HPP and partners and are thus illustrative at presen

	GENERAL POPULATION	HEALTHCARE WORKERS*	PEOPLE LIVING WITH HIV" AND IV
DOMESTIC .			POPULATIONS
DOMAIN Perceived stigma	Are people living with or thought to be living with HIV gossiped about, teased, insulted or sworm at? Do people living with or thought to be living with HIV in your community lose respect or standing?	In the past 12 months, how often have you observed the following in your health facility? Healthcare workers talking bady about people living with or thought to be living with HIV	See parallel questions undo stigma*
Experienced stigma (outside legal purview)	Would you buy fresh vegetables from a shopkeaper or vendor if you knew that this person had HIV?	In the past 12 months, how often have you: Experienced people talking badly about you because you care for patients living with HIV Been availed by Finneds and tan'illy because you care for patients living with HIV Been availed by colleagues because of your work caring for patients with HIV Been assumed to be HIV positive because of your work for caring with patients him, with HIV because of your work for caring with patients him, with HIV.	
Discriminate legal minister legal minister legal minister legal purview)	Do you then children when with mirror who are her children when with mirror who are her children who are not wregard in your organism, it is must be children with a re not wregard in your organism, it is must eacher has ne't you to snot stack, should she be allowed to continue teaching to the school of the children who will be allowed to continue teaching to the school of the s	I would nove that a patient for this without informed control information riginar. To assess key population riginar. To assess key population riginar. Proping with inject drugs MMM Set workers Transpondered people Women with brave sax with women Magnatis For each of the key populations intended to the proping of the proping o	In the last 22 months, how often have you have desired health sarries, including destal care, because if your HV statist? Was the decision to be tested for HV by the you? **Yes, I look the decision in your bested, but it was valuable (ii.e. it was valuable). I look the decision to be tested, but it was under pressure from others. **I look the decision to be tested, but it was under pressure from others. **I was made to his but in HV lest (poercion). **I was have with the last in HV lest (poercion). **I was have with the last in HV lest (poercion). **I was haved with the last in HV lest (poercion). **I was haved with the last in HV lest (poercion). **I was haved with the last in HV lest (poercion). **I was haved with the last in HV lest (poercion). **I was haved with the last in HV lest (poercion). **I was haved with the last in HV lest (poercion). **I was haved with the last have been done from the last of the last
Resilience	Not applicable.	Not applicable.	Measures need to be developed and tested.

This is one example of experienced stigms that people living with HIV may experience. The People Living with HIV Stigms Index sales about a number of additional types of experienced stimms.

LONDON

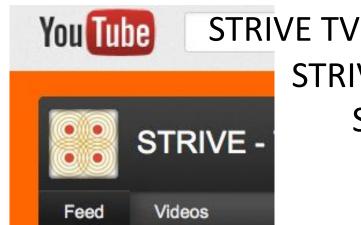
STRIVE

PARTNER VIOLENCE? FOREVENT

An evidence overview



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The International Center for Research on Women transforms gender norms through a school-based curriculum (GEMS), and trains of 11 views



Striveconsortium uploaded

