

# Thoughts on evaluating the external impacts of ART

Design Considerations for Evaluating the Impact of PEPFAR

Monday, April 30 – Tuesday, May 1, 2007  
U.S. Institute of Medicine (IOM), Washington, DC

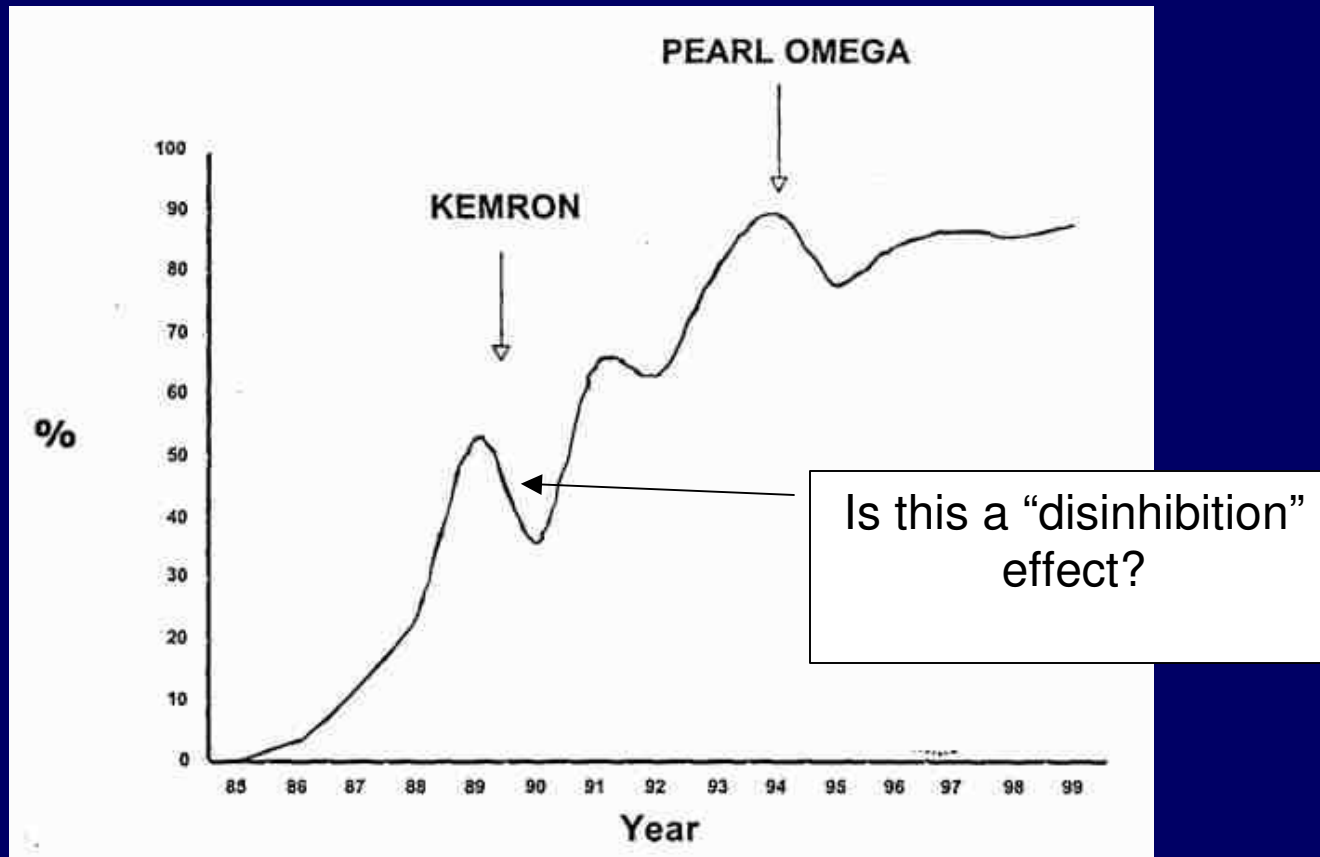
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# Externalities: Possible effects of ART on HIV transmission

		Direction of effect	
		Beneficial (Slow transmission)	Adverse (Speed transmission)
Type of Effect:	Biological	<p><b>Reduce infectiousness.</b> ART may lowers viral loads and may therefore lower the risk of transmission per sexual contact.</p>	<p><b>Select for resistance.</b> Imperfect adherence to ART selects for resistant strains of the virus, which can then be transmitted.</p> <p><b>Longer duration of infectivity.</b> The greater longevity of HIV infected people taking ART has the unintended negative consequence of increasing the period in which the patient can transmit the virus.</p>
	Behavioral	<p><b>Encourage prevention, especially diagnostic testing.</b> ART may increase the uptake rates of prevention activities, particularly voluntary counseling and testing.</p>	<p><b>Off-setting behavior.</b> People receiving ART, and HIV positives and negatives in the surrounding community, may engage in more risky behaviors than they would if ART were unavailable.</p>

Source: M.Over, et al (2004)

# Percent condom use in a cohort of Nairobi sex workers



Source: Jha et al, 2002

# Findings from India & Thailand

India

Thailand

