

Prevención de la Transmisión Sexual: ¿Avanzamos o Retrocedemos?



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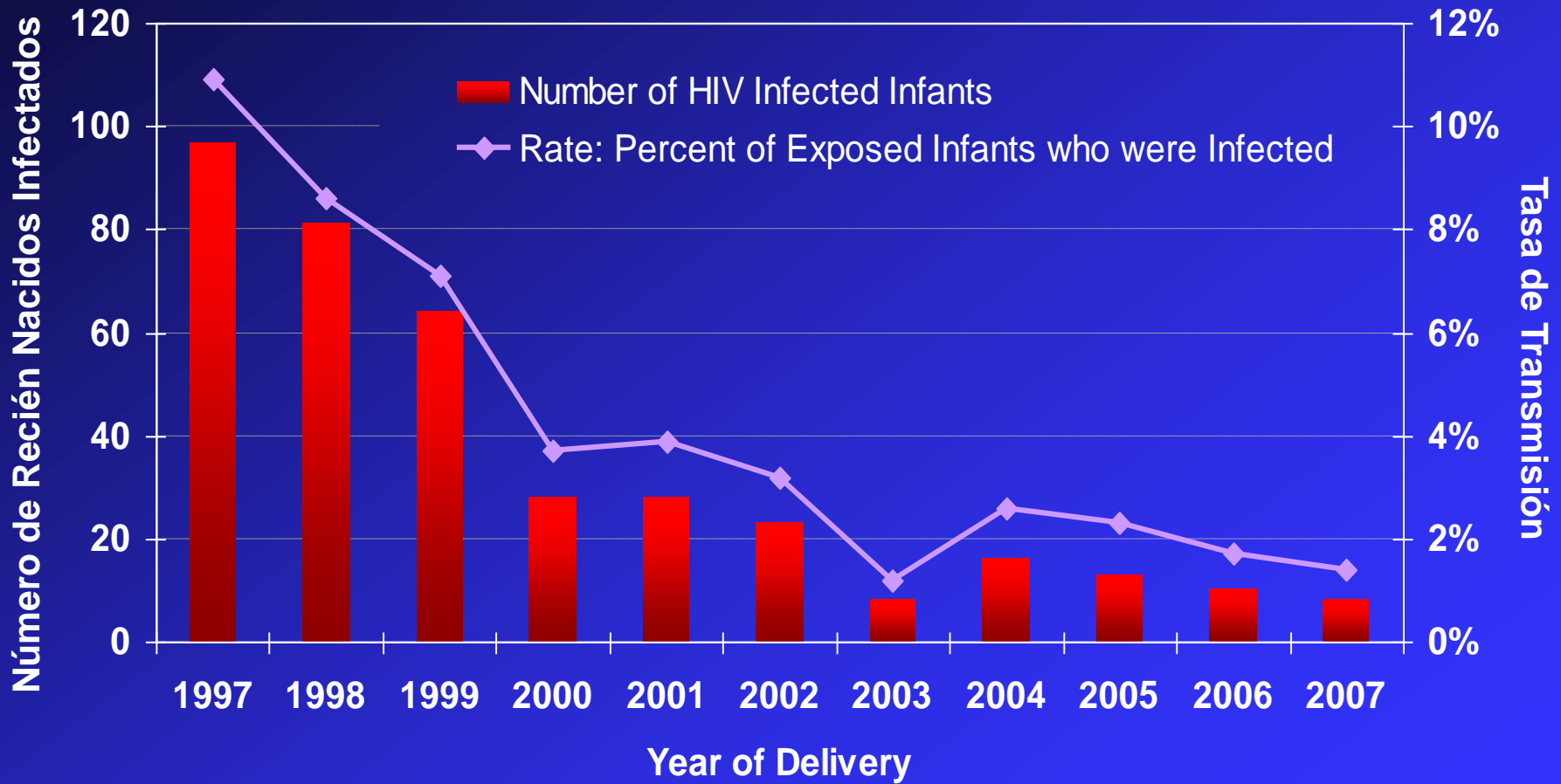


Contenido

- Epidemiología
- Avances
- Retrocesos
- Nuevos enfoques
- Conclusiones



Perinatal HIV Transmission: Number and Rate of HIV Infected Infants New York State, 1997* - 2007

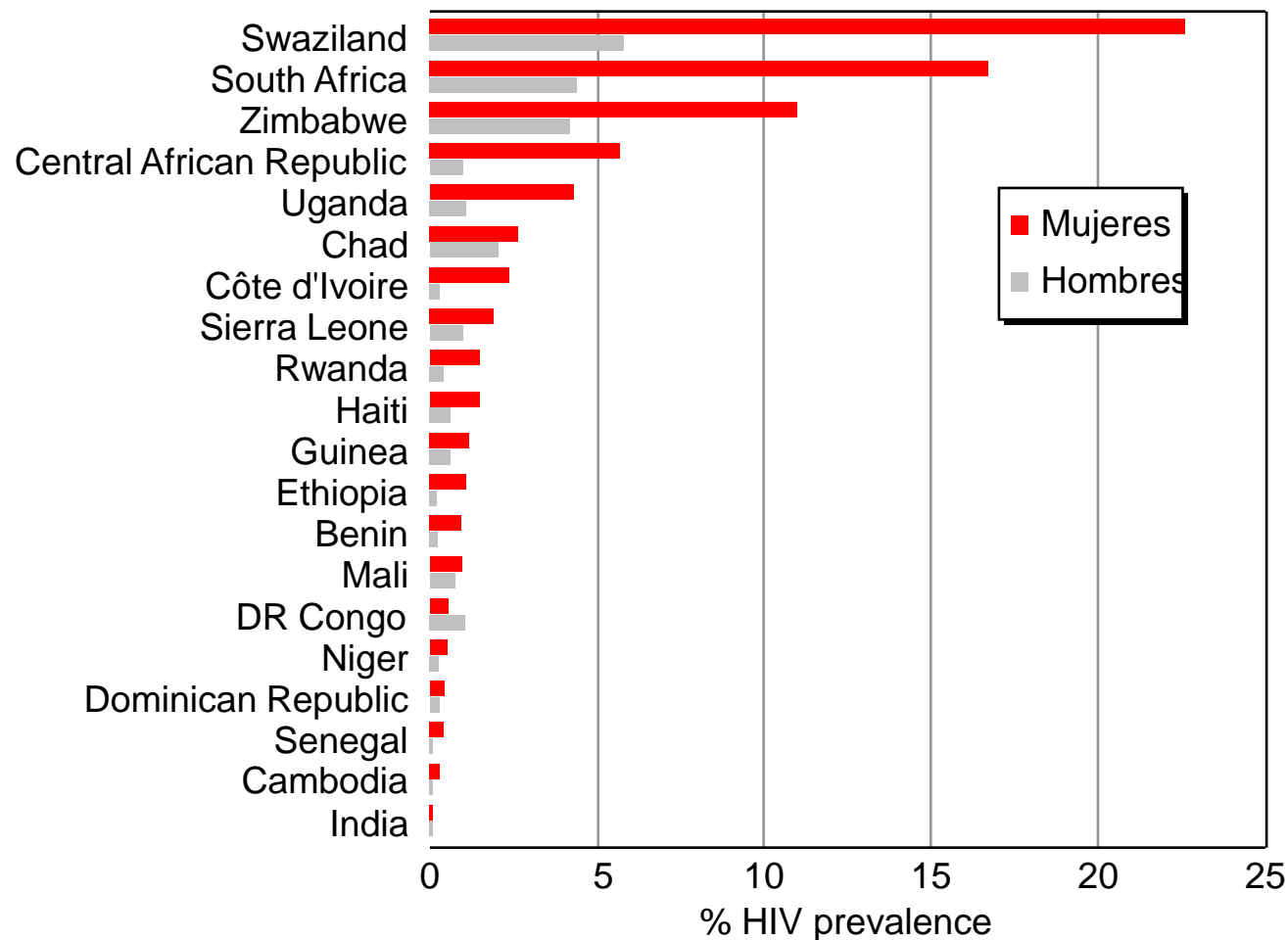


*1997 data are February - December

Reduction: 92%

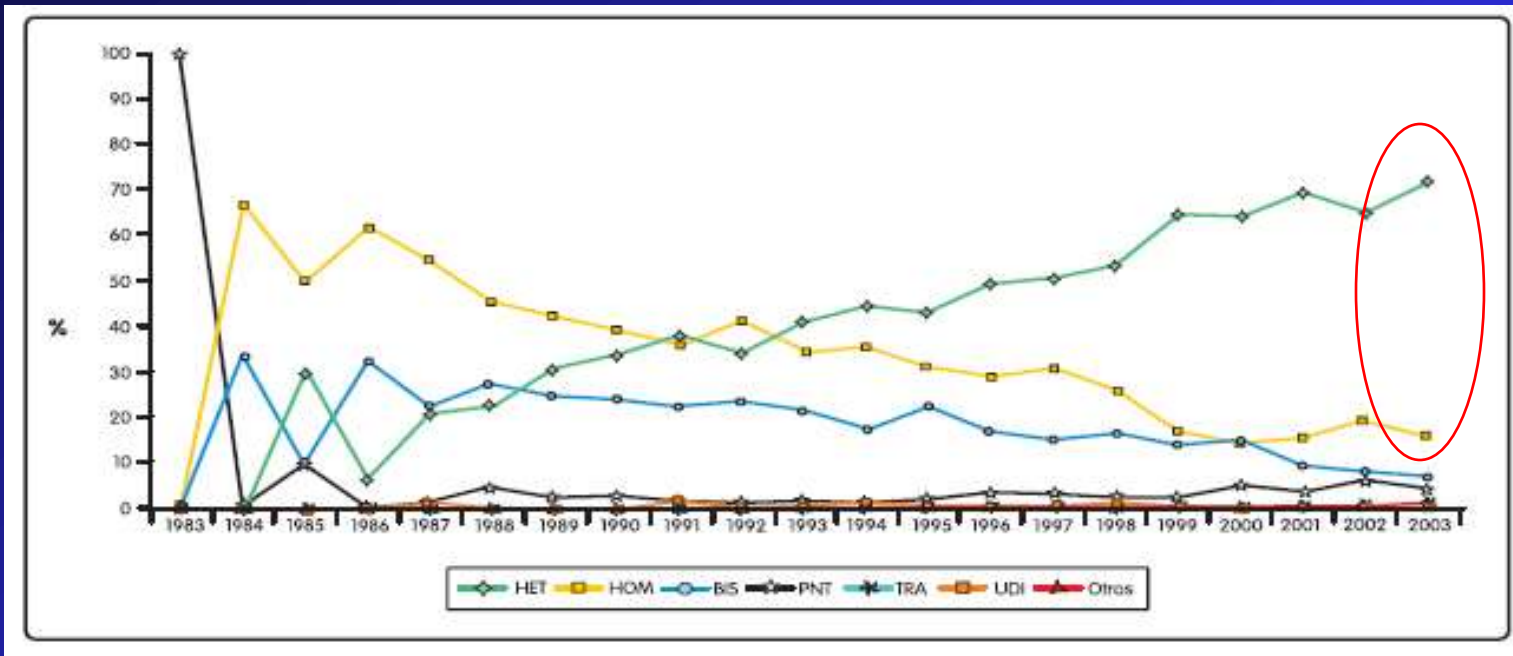
NYSDOH/BHAE

VIH: Prevalencia (%) entre Personas 15–24 años, por sexo, algunos países, 2005–2007





Mecanismos de Transmisión, Colombia 1983-2003



60% de los casos reportados incluían riesgo de transmisión.

De estos, **96%** reportaban mecanismo de transmisión sexual



Epidemiología

- 32 millones de personas viviendo con VIH/SIDA
- Mujeres: ~ 50%
- HSH
- Transmisión sexual predominante



Epidemiología de Transmisión Sexual

- Tasa de transmisión
por relación sexual: 1/1000
parejas estables/largo plazo: 15-25%
- Factores de riesgo:
 - Carga viral
 - Ausencia de circuncisión
 - Úlceras genitales



Riesgo Relativo (RR) de Transmisión de VIH por Tipo de Acto Sexual

<u>Acto Sexual</u>	<u>(RR) estimado</u>
Fellatio insertivo	1
Fellatio receptivo	2
Sexo vaginal insertivo	10
Sexo vaginal receptivo	20
Sexo anal insertivo	13
Sexo anal receptivo	100



Prevención de Transmisión Sexual: Cambios de Comportamiento

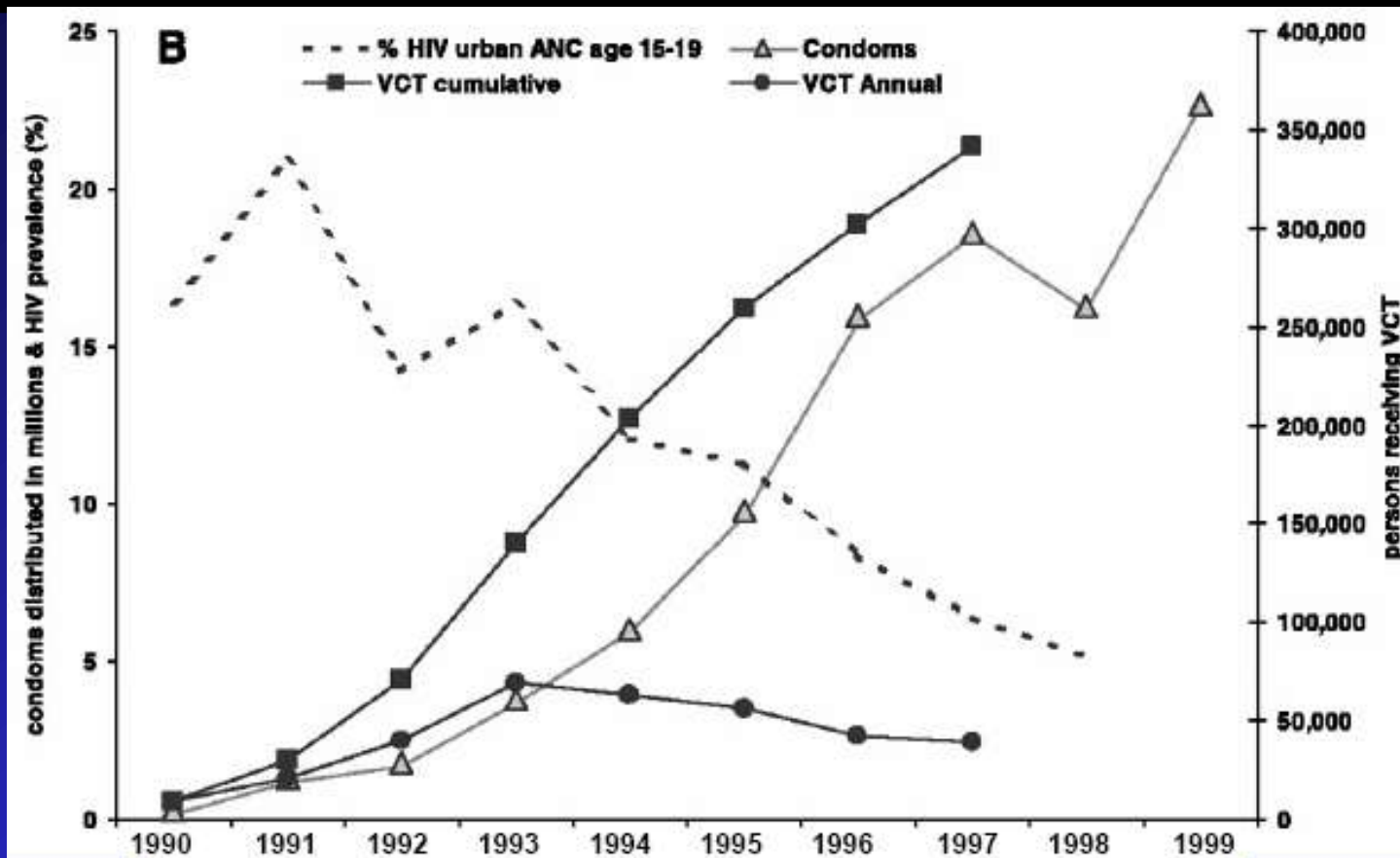
- Reducción del # de parejas sexuales
- Postergación en la edad de inicio de las relaciones sexuales
- Concurrencia vs monogamia seriada
- Uso de condones



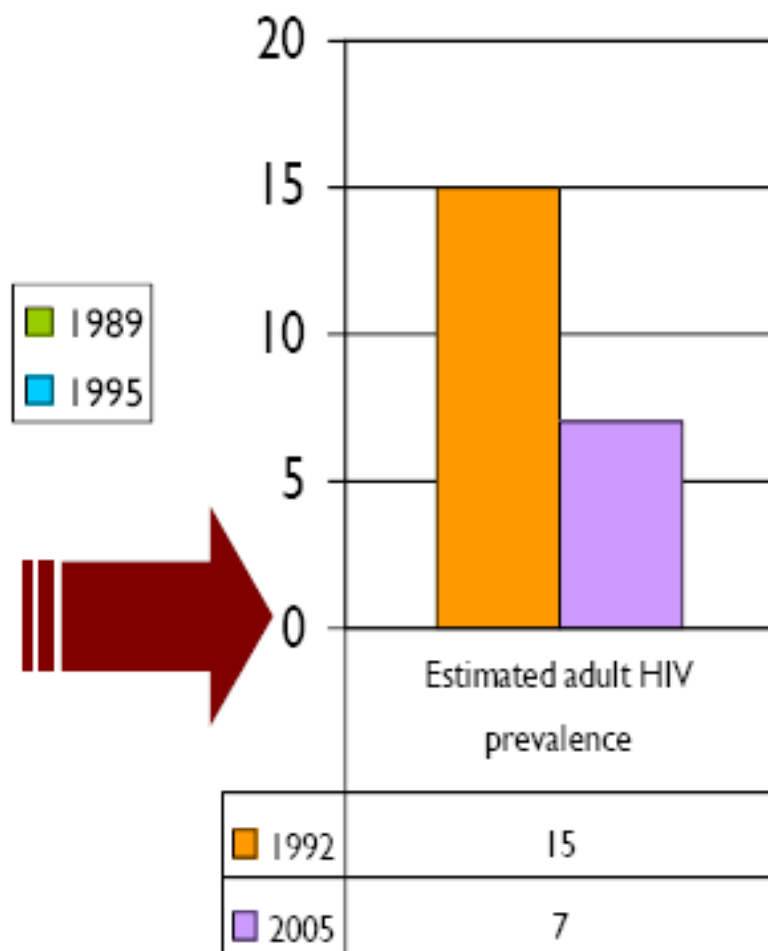
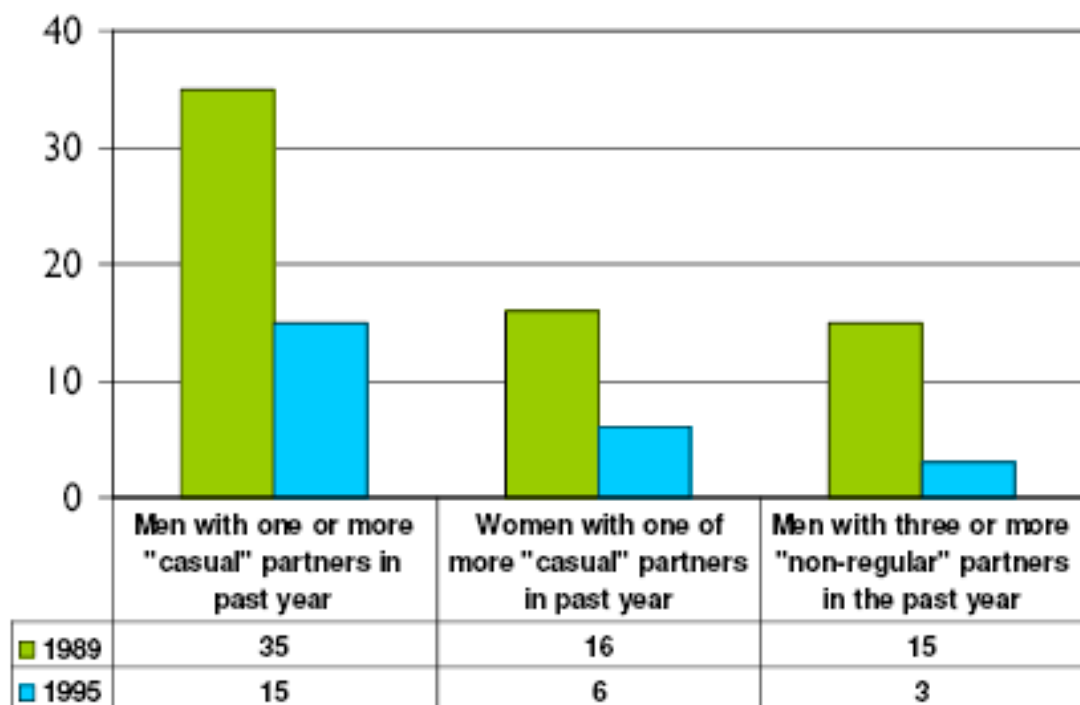
Avances en la Prevención de la Transmisión Sexual



Uganda

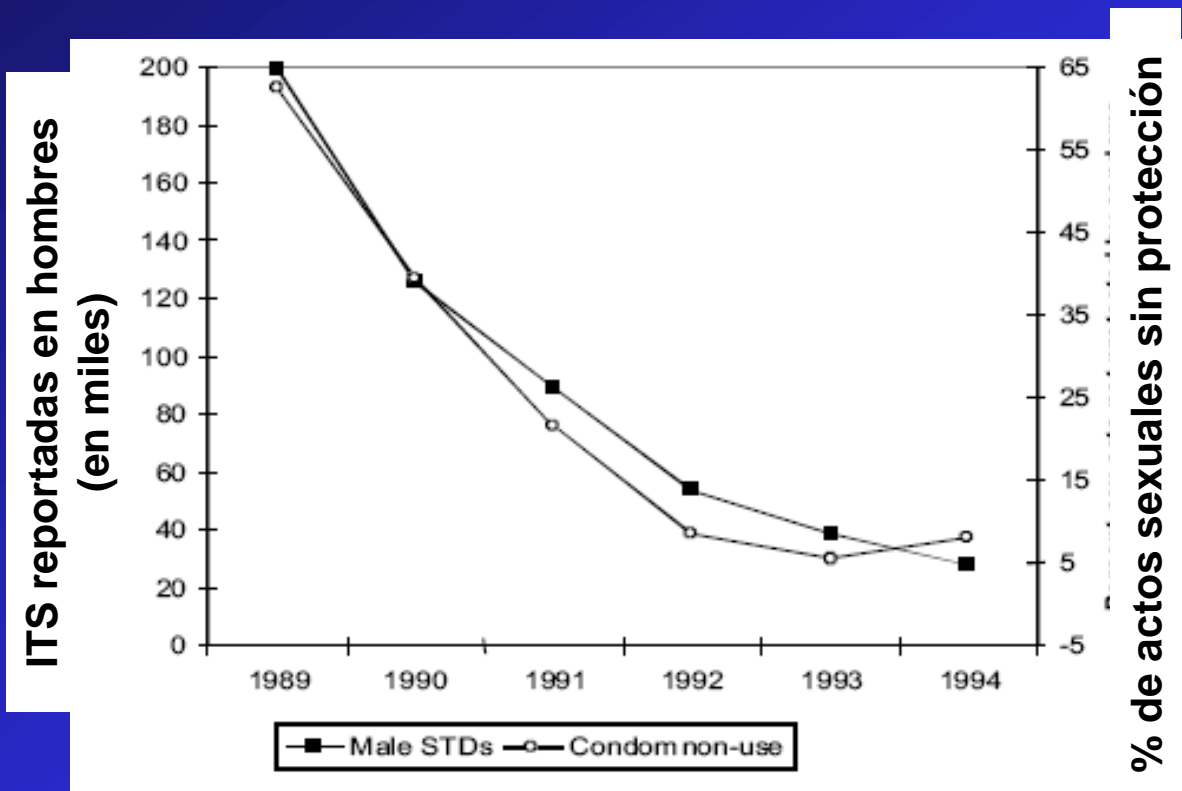


Behavioral & HIV Trends in Uganda





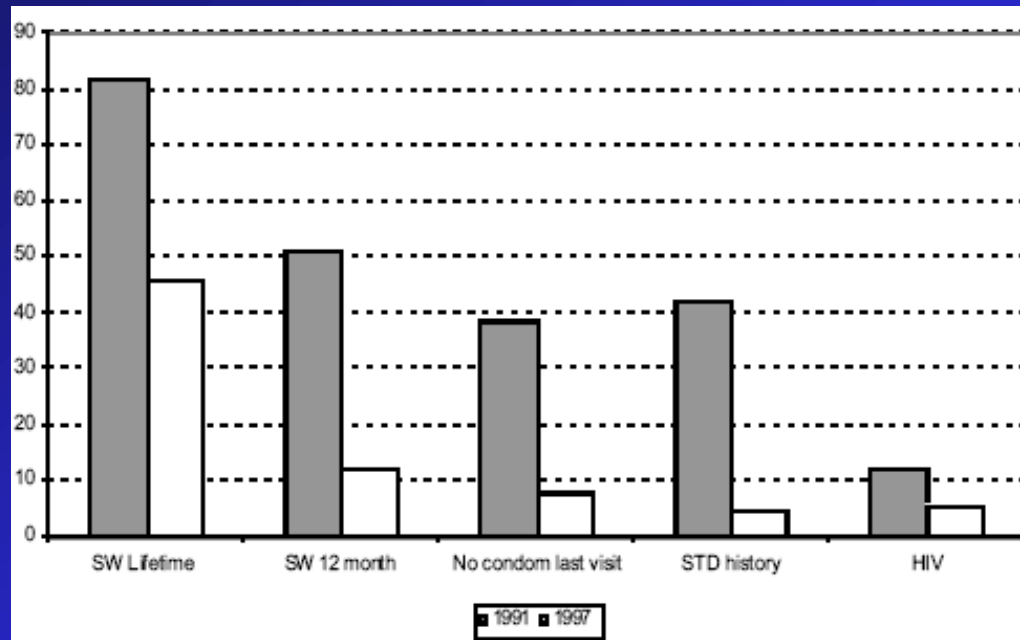
Aumento en Utilización de Condones y Reducción de ITS en Hombres, Tailandia, 1989-1994





Cambios de Comportamiento, Historia de ITS y Prevalencia de VIH

Utilización de Condones en Visitas a Trabajadoras Sexuales, Cambios en Historia de ITS y Prevalencia VIH en Reclutas del Norte de Tailandia, 1991-1997





Retrocesos

Papa: El condón no es la respuesta en la lucha contra el sida

Internacional

(AP) Foto: AP
martes, 17 de marzo de 2009

YAOUNDE, Camerún.- El papa Benedicto XVI afirmó el martes en el avión que lo condujo a África que la distribución de condones no es la respuesta en la lucha contra el sida en ese continente, su primera declaración explícita sobre un tema que ha dividido incluso al clero que trabaja con las personas contagiadas de la enfermedad.



Benedicto XVI llegó a Yaounde, la capital de Camerún, el martes por la noche, donde saludó a una multitud de creyentes que ondeaban banderas y tomaban fotografías. La visita es su primera peregrinación como pontífice al continente africano.

The printed journal includes an image merely for illustration

Reuters

“Al decir que los condones aumentan el problema del VIH/SIDA, el Papa ha distorsionado públicamente la evidencia científica para promover la doctrina Católica sobre este tema”.

Redemption for the Pope?

The Vatican felt the heat from an unprecedented amount of international condemnation last week after Pope Benedict XVI made an outrageous and wildly inaccurate statement about HIV/AIDS. On his first visit to Africa, the Pope told journalists that the continent's fight against the disease is a problem that "cannot be overcome by the distribution of condoms: on the contrary, they increase it".

The Catholic Church's ethical opposition to birth control and support of marital fidelity and abstinence in HIV prevention is well known. But, by saying that condoms exacerbate the problem of HIV/AIDS, the Pope has publicly distorted scientific evidence to promote Catholic doctrine on this issue.

The international community was quick to condemn the comment. The governments of Germany, France, and Belgium released statements criticising the Pope's views. Julio Montaner, president of the International AIDS Society, called the comment "irresponsible and dangerous". UNAIDS, the UN Population Fund, and WHO released an updated position statement on HIV prevention

and condoms, which said that "the male latex condom is the single, most efficient, available technology to reduce the sexual transmission of HIV". Amidst the fury, even the Vatican tried to alter the pontiff's wording. On the Holy See's website, the Vatican's head of media, Father Federico Lombardi, quoted the Pope as having said that there was a "risk that condoms...might increase the problem".

Whether the Pope's error was due to ignorance or a deliberate attempt to manipulate science to support Catholic ideology is unclear. But the comment still stands and the Vatican's attempts to tweak the Pope's words, further tampering with the truth, is not the way forward. When any influential person, be it a religious or political leader, makes a false scientific statement that could be devastating to the health of millions of people, they should retract or correct the public record. Anything less from Pope Benedict would be an immense disservice to the public and health advocates, including many thousands of Catholics, who work tirelessly to try and prevent the spread of HIV/AIDS worldwide. ■ [The Lancet](#)



The Reemerging HIV/AIDS Epidemic in Men Who Have Sex With Men

Harold W. Jaffe, MD, MA, FFPH

Ronald O. Valdiserri, MD, MPH

Kevin M. De Cock, MD, FRCP, DTM&H

SINCE THE FIRST REPORT OF AIDS IN 5 MEN WHO HAVE sex with men (MSM) from Los Angeles,¹ MSM have accounted for a higher proportion of AIDS cases than any other group in countries such as the United States (44%), Canada (65%), and Australia (64%).²⁻⁴ Although MSM first brought human immunodeficiency virus (HIV)/AIDS to the world's attention and, even in the absence of external funding, were the first to promote risk reduction strategies, prevention efforts for MSM appear to have faltered.

In this article, we examine current HIV/AIDS epidemiology in MSM, discuss why the epidemic may be re-emerging, and describe what can be done to address it. Although there is recognition and reporting of MSM with HIV/AIDS from low-income and middle-income countries, including those in Africa and Asia where interventions for MSM are few, cultural stigma may be strong, and homosexuality may be illegal,^{5,6} this article is limited to industrialized countries and focuses par-

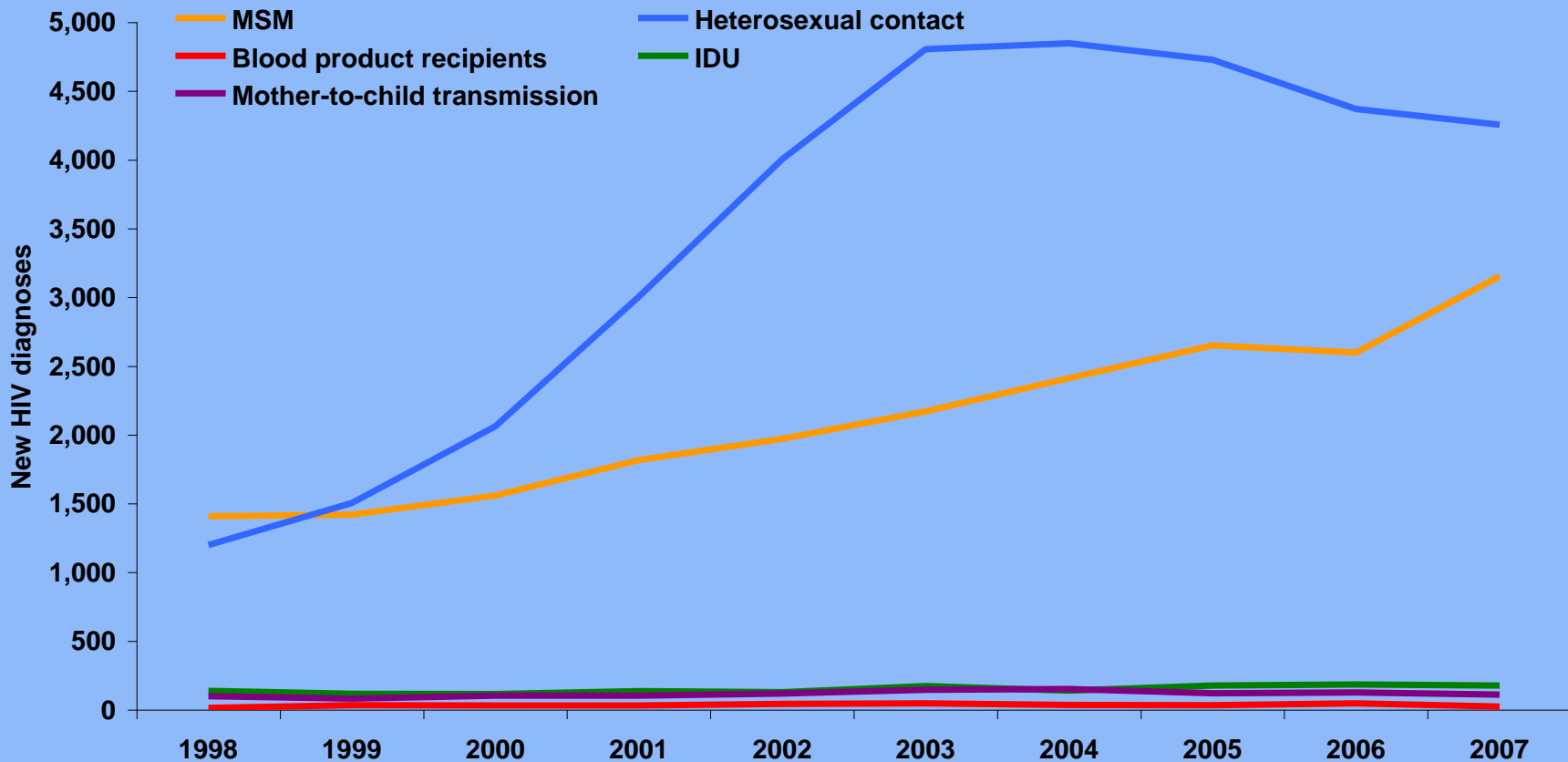
sex partner, 21% reported having had unprotected anal intercourse during their most recent sexual contact with that partner.⁹ In 2 population-based, random-digit-dial telephone surveys of MSM households in San Francisco, Osmond et al¹⁰ found an increase in the proportion of men reporting unprotected anal intercourse with a partner of different or unknown serostatus from 9.3% in 1997 to 14.6% in 2002.

Why Is This Happening?

Using a back-calculation method, Brookmeyer¹¹ estimated that the first HIV infections among US MSM occurred around 1978. The incidence peaked in 1984 and then decreased during the rest of the decade. The decrease most likely resulted from the combined effects of saturation (many MSM at highest risk were already infected), death of core transmitters (infected men with very large numbers of sex partners), and behavioral changes.

At least some of these initial behavioral changes probably resulted from fear of acquiring this lethal new disease. Many MSM had already died, many more were sick, and no effective treatment existed. Both the gay media and leadership also actively promoted sexual risk reduction. Because

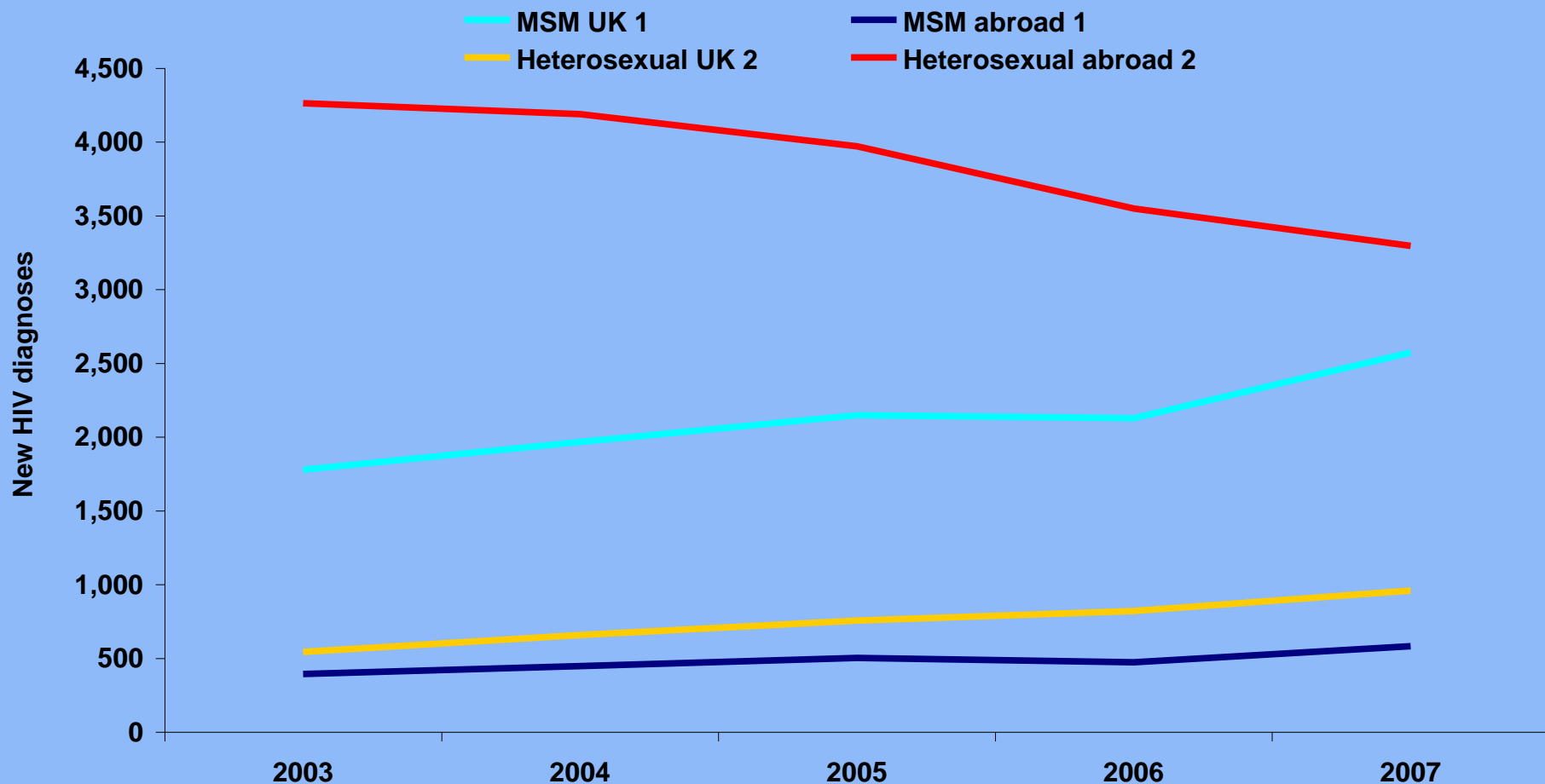
Número Ajustado de Diagnósticos Nuevos de VIH por Grupo de Riesgo, Reino Unido



Proportional adjustment for missing information applied



Adjusted numbers of new HIV diagnoses by probable risk group and country of infection, UK



1 Proportional adjustment applied for missing information (both probable risk and country of infection)

2 Additional proportional adjustment applied to the UK acquired group for persons with evidence of sexual contact both in the UK and a country abroad where national HIV prevalence is estimated to be <1%

Number of new diagnoses of selected STIs, GUM clinics, United Kingdom: 2006



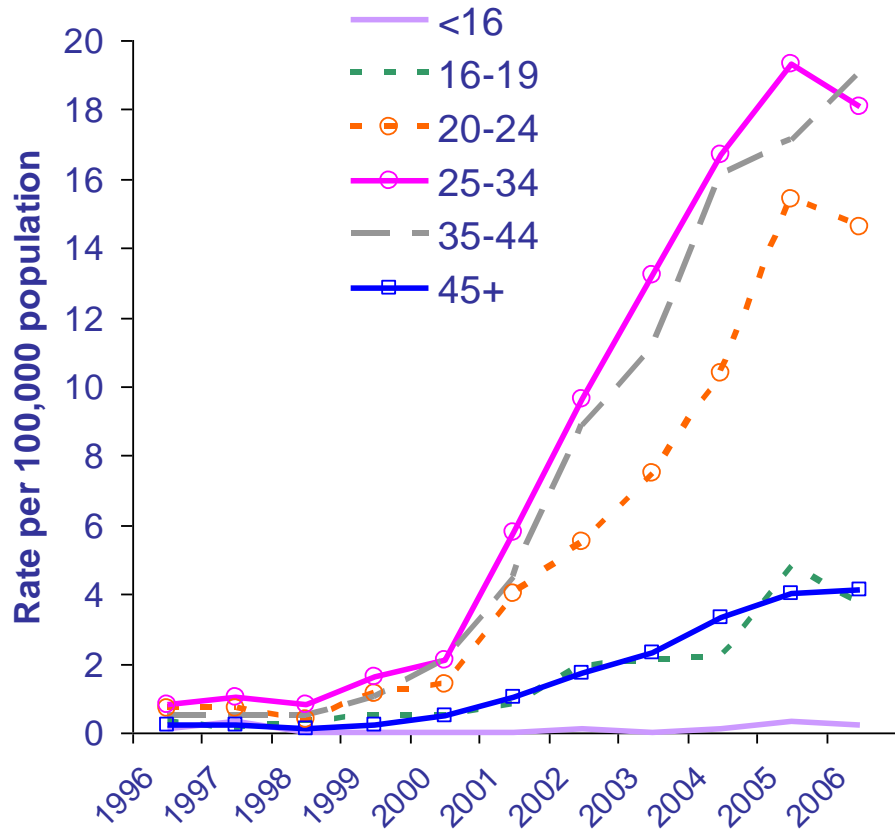
% change

	2006	2005-2006	1997-2006
Chlamydia	113,585	4%	166%
Genital warts	83,745	3%	22%
Genital herpes	21,698	9%	31%
Gonorrhoea	19,007	-1%	46%
Syphilis	2,766	-1%	1,607%

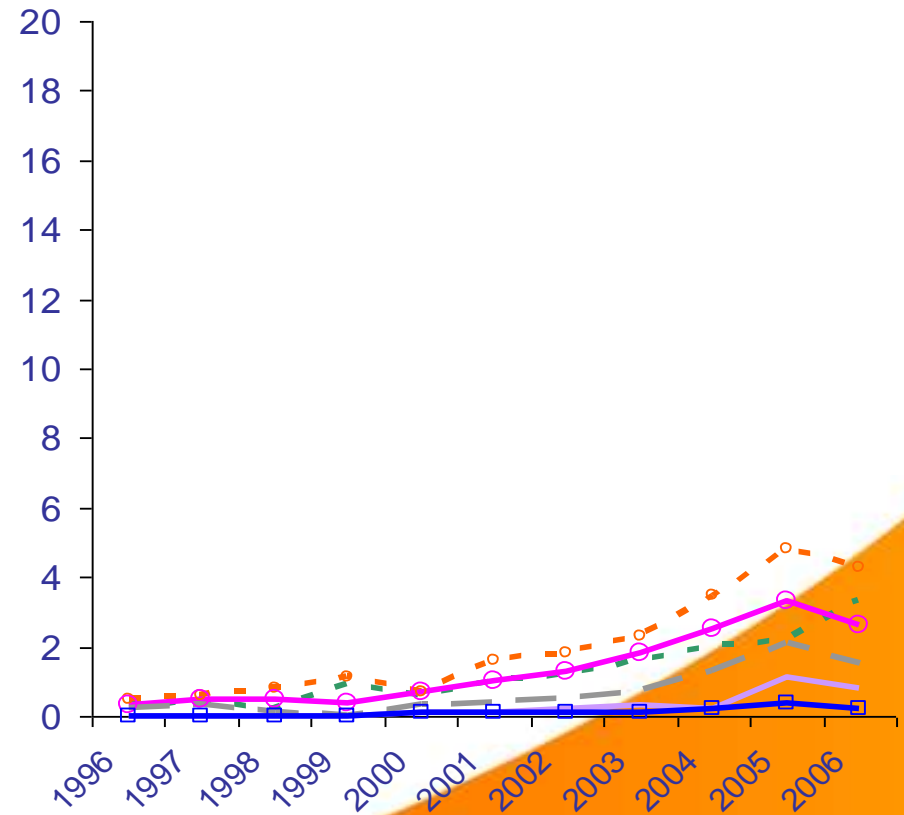
Rates of diagnoses of infectious syphilis (primary & secondary) by sex and age group, GUM clinics, United Kingdom: 1997 - 2006



Males

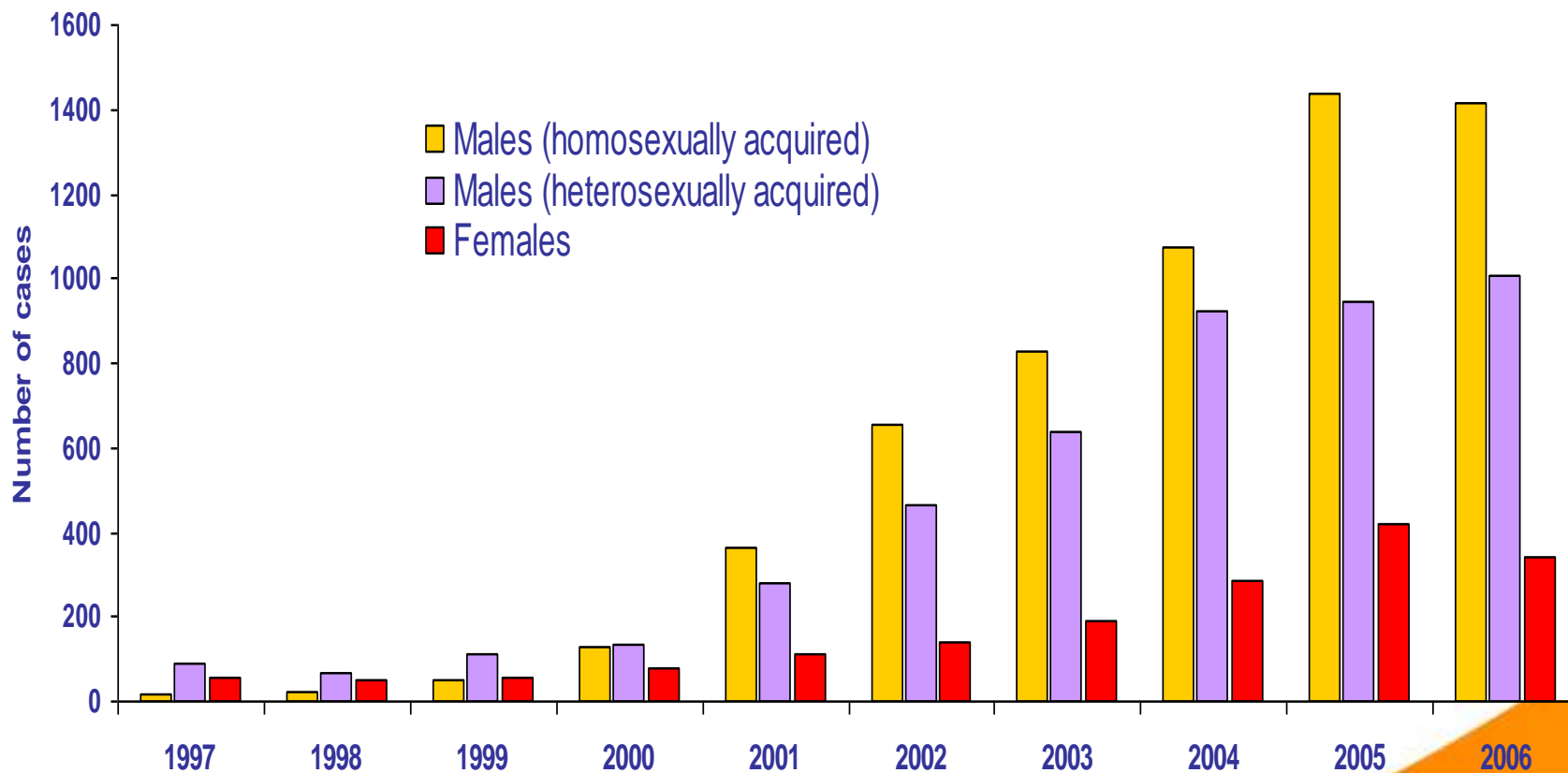


Females



Routine GUM clinic returns

Number of diagnoses of infectious syphilis (primary and secondary) by sex and male sexual orientation, GUM clinics, United Kingdom: 1997 – 2006



Routine GUM clinic returns

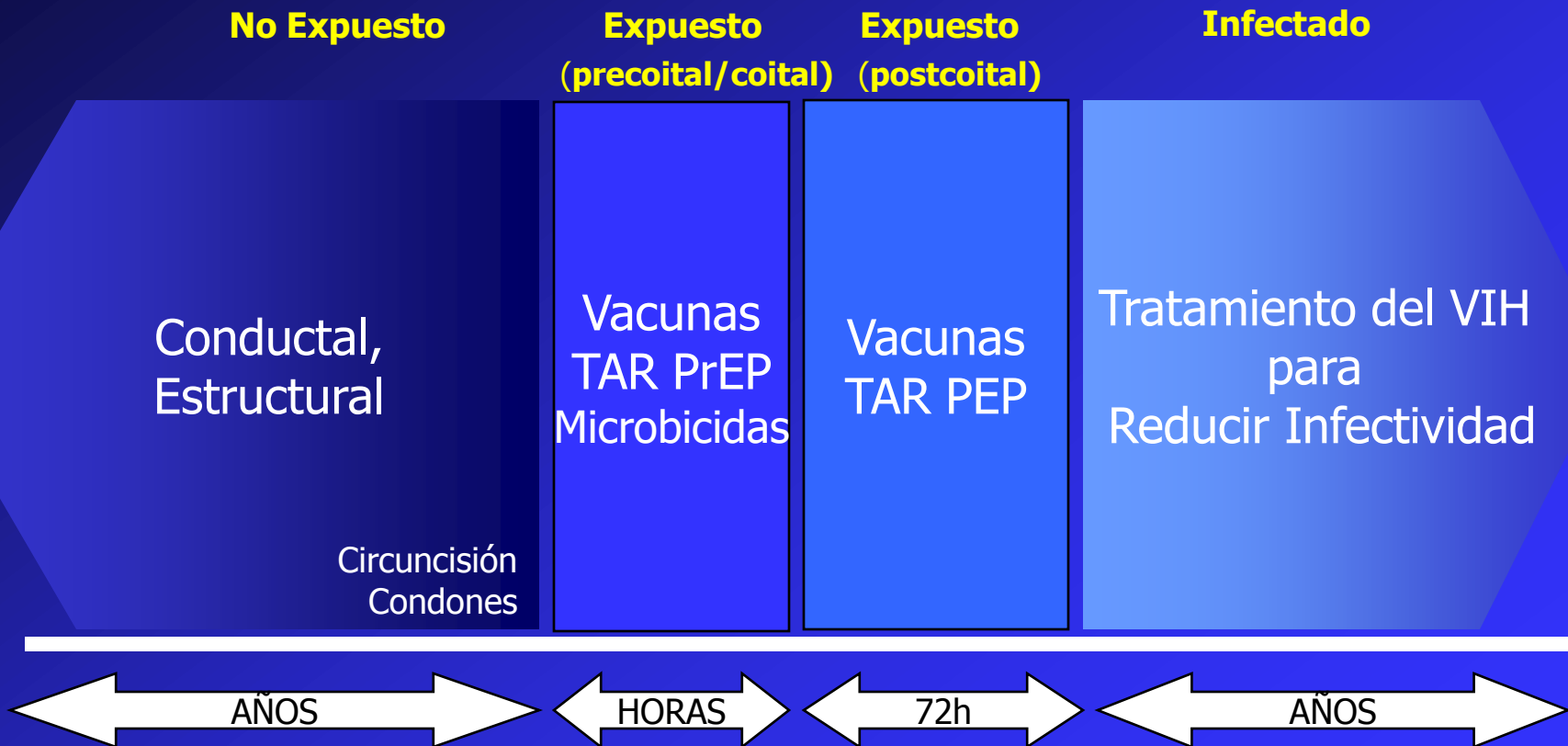


Resumen

- 25 años tratando de prevenir una enfermedad fácilmente prevenible
- Miles de millones de dólares invertidos
- Nuevas infecciones en 2007: 2.7 millones
- ¿Qué ha pasado?
- Tres razones:
 - Intervenciones disponibles no son suficientemente efectivas
 - Pobre implementación
 - No se ha invertido suficiente



Oportunidades para la Prevención



Cohen M. et al. Prevention of the sexual transmission of HIV-1: preparing for success. Journal of the International AIDS Society 2008, 11:4



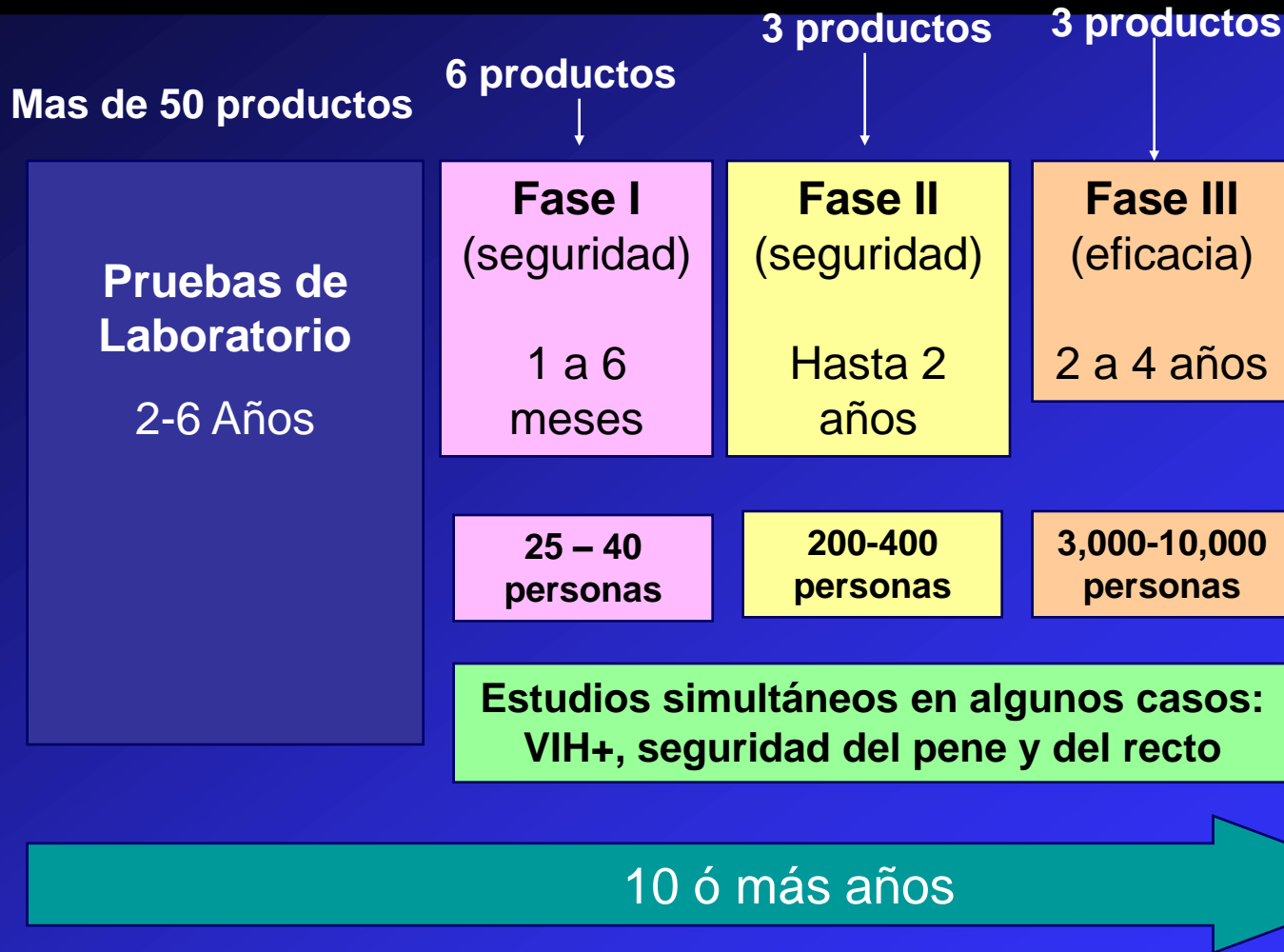
PrEP: Estudios Actuales

STUDY/FUNDER	LOCATION	STRATEGY	POPULATION	STATUS	COMPLETION
CDC	United States	Oral tenofovir	400 men who have sex with men	Fully enrolled	2009
CDC	Thailand	Oral tenofovir	2,400 injectable-drug users	Enrolling participants	2009
CDC	Botswana (2 sites)	Oral Truvada	1,200 heterosexual men and women	Enrolling participants	2010
iPrEX Study/ NIH, BMGF	Peru, Ecuador, United States, other sites TBD	Oral Truvada	3,000 men who have sex with men	Enrolling participants	2010
Partners PrEP Study/BMGF	Kenya, Uganda	Oral tenofovir, oral Truvada	3,900 serodiscordant heterosexual couples	Enrolling participants	2012
FHI FEM-PrEP Study/USAID, BMGF	Kenya, Malawi, South Africa, Tanzania (6 sites)	Oral Truvada	3,900 higher-risk women	Planning/ expected start Q1, 2009	2012
MTN VOICE Study/ NIH	Southern Africa (sites to be determined)	Oral tenofovir, oral Truvada, vaginal tenofovir gel	4,200 sexually active women	Planning/ expected start Q1, 2009	2012

Abbreviations: BMGF—Bill & Melinda Gates Foundation; CDC—U. S. Centers for Disease Control and Prevention; FHI—Family Health International; iPrEX—Iniciativa Profilaxis Pre-Exposición; MTN—Microbicide Trials Network; NIH—U. S. National Institutes of Health; USAID—U. S. Agency for International Development.



Microbicidas: Estado de la Investigación en 2008



Sitios de ensayos clínicos en 2008

LAS AMERICAS:

- Estados Unidos: Fase I, II, IIB
- Puerto Rico: Fase I
- Republica Dominicana: Fase I

EUROPA

- Bélgica: Fase I

ÁFRICA OCCIDENTAL:

- Camerún: Fase I, II

ASIA

- India: Fase II
- Tailandia: Fase I

ÁFRICA SUBSAHARIANA:

- Kenia: Fase I
- Malawi: Fase II, IIB
- Ruanda: Fase I/II
- Sudáfrica: Fase I, IIB, III
- Tanzania: Fase I, I/II, III
- Uganda: Fase III
- Zambia: Fase IIB, III
- Zimbabwe: Fase I, II, IIB



Productos más adelantados

Producto Patrocina la prueba	# mujeres a ser enroladas	Ubicación	Resultados preliminares esperados en
Buffer Gel HPTN035-NIH	3,220 mujeres	Sudáfrica, Malawi, Tanzania, Zambia y Filadelfia	Abril 2009
Tenofovir gel (1%) Caprisa, CONRAD, USAID, FHI	1.250 mujeres	Sudáfrica	2010
PRO2000 (.5%) HPTN035-NIH	3,100 mujeres	Sudáfrica, Malawi, Zambia, Zimbabwe y Filadelfia	Abril 2009
PRO2000 (.5%) DFID, MRC	9,673 mujeres	Sudáfrica, Uganda, Zambia, Tanzania	Diciembre 2009



HPTN 035

- Fase II/IIb: Seguridad y efectividad de PRO 2000 (0.5%) y BufferGel en prevenir transmisión de VIH de hombre a mujer
- Feb 05 - Sep 08 / 3.099 mujeres VIH— en Malawi, Sur Africa, Zambia, Zimbabwe y EE.UU.
- Distribución aleatoria
 1. BufferGel
 2. PRO 2000 gel
 3. Placebo gel
 4. No gel



Gel: aplicación 1 hora antes de rel. sex.



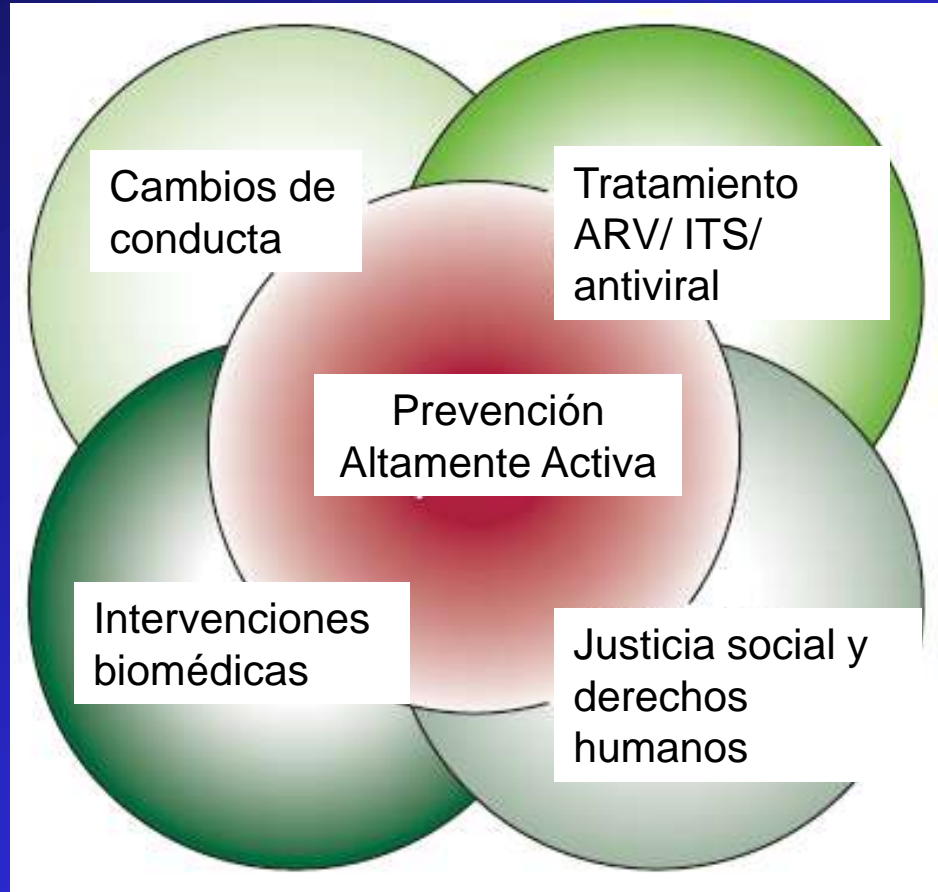
HPTN 035: Resultados

- PRO 2000 Gel: 30% efectivo en prevenir infección
- BufferGel: Ningún efecto preventivo
- Los 2 gels fueron seguros
- Primer ensayo clínico en demostrar que un gel vaginal puede prevenir infección por VIH



Prevención Altamente Activa (Prevención Combinada)

Liderazgo y aumento de esfuerzos en
prevención y tratamiento



Participación comunitaria

CLUBE DA MULHER MADURA

Sexo não tem idade pra acabar. Proteção também não.

BLOCO DA MULHER MADURA



USE CAMISINHA. É COISA DE MULHER SEGURA.

Sexo não tem idade para acabar. Proteção também não.

A vida sexual continua depois dos 50. E toda mulher tem o direito de exercer sua sexualidade e de se cuidar. Por isso, a camisinha é tão fundamental. Ela protege você do vírus HIV e de muitas outras doenças. Use. Mostre que você tem postura.

www.saude.gov.br

DISQUE SAÚDE 0800 61 1997



Secretaria Especial de
Políticas para as Mulheres

Ministério
da Saúde



El sexo no tiene edad para acabar.
La protección tampoco.

Use condones. Es cosa de mujer
segura (protegida)



Conclusiones

- Con la disponibilidad de tratamiento efectivo, el reto de prevenir la transmisión sexual de VIH se ha aumentado
- En ausencia de una vacuna,
 - la prevención de la transmisión sexual del VIH requiere nuevos enfoques y nuevas herramientas
 - Múltiples intervenciones, enfoque multisectorial
- Dados los estudios en curso, se anticipan nuevos hallazgos/evidencias en los próximos años



VIAGRA
PILLS