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# **Epidemiology of ano-rectal STIs in Asia**

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**Montreux, 2008**

# Acknowledgments

- **National partners**
- **Philippe Girault, FHI, Thailand**
- **Dimitri Prybilski, FHI, Thailand**
- **Elizabeth Pisani, FHI, Indonesia**
- **Guy Morineau, FHI, Indonesia**
- **Steve Mills, FHI, Vietnam**
- **Teodi Wi, FHI India**
- **Frits van Griensven, CDC/TUC, Thailand**
- **Sarah Hawkes, LSHTM, UK**
- **Angkana Charoenwatanachokchai, MOPH, Thailand**
- **Kryisia Lindan, CDC**

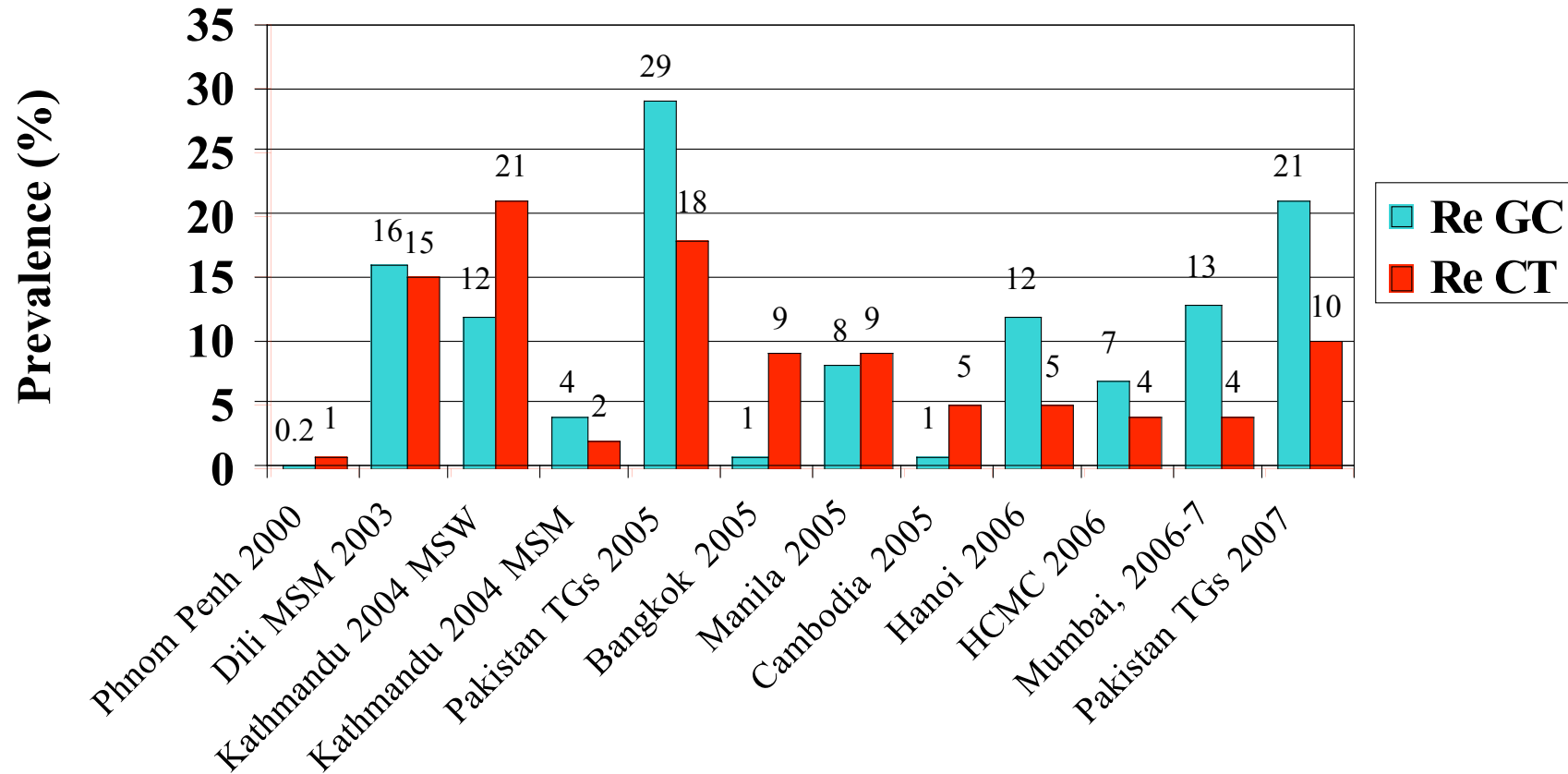
# Outline

- 1. Basic issues**
- 2. Syndromic management and ano-rectal infections**
- 3. Prevalence of ano-rectal STIs**
- 4. MSM and TGs – epidemiology, clinical guidelines**
- 5. Summary**

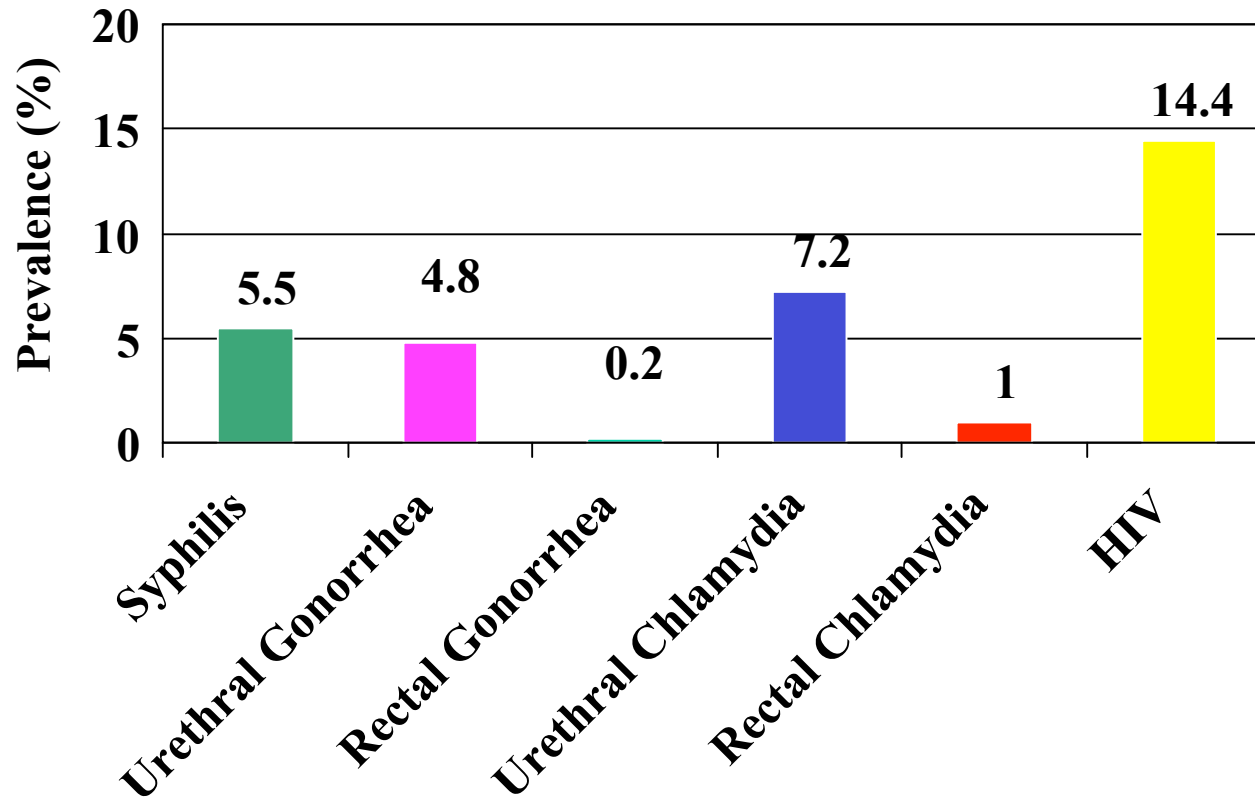
# **Ano-rectal STIs: Issues**

- **High prevalence of asymptomatic infections**
- **High prevalence of ano-rectal symptoms (e.g., burning, itch, bleeding and discharge)**
- **Poor correlation between symptoms and STIs**
- **Incomplete history taking and lack of ano-rectal examination (poor training, attitudes, anal sex and women)**
- **Lack of testing for GC and CT**
- **Some conditions already covered by existing guidelines (e.g., GUD)**

# Rectal gonorrhoea and chlamydia prevalence, MSM in Asia, 2000-7

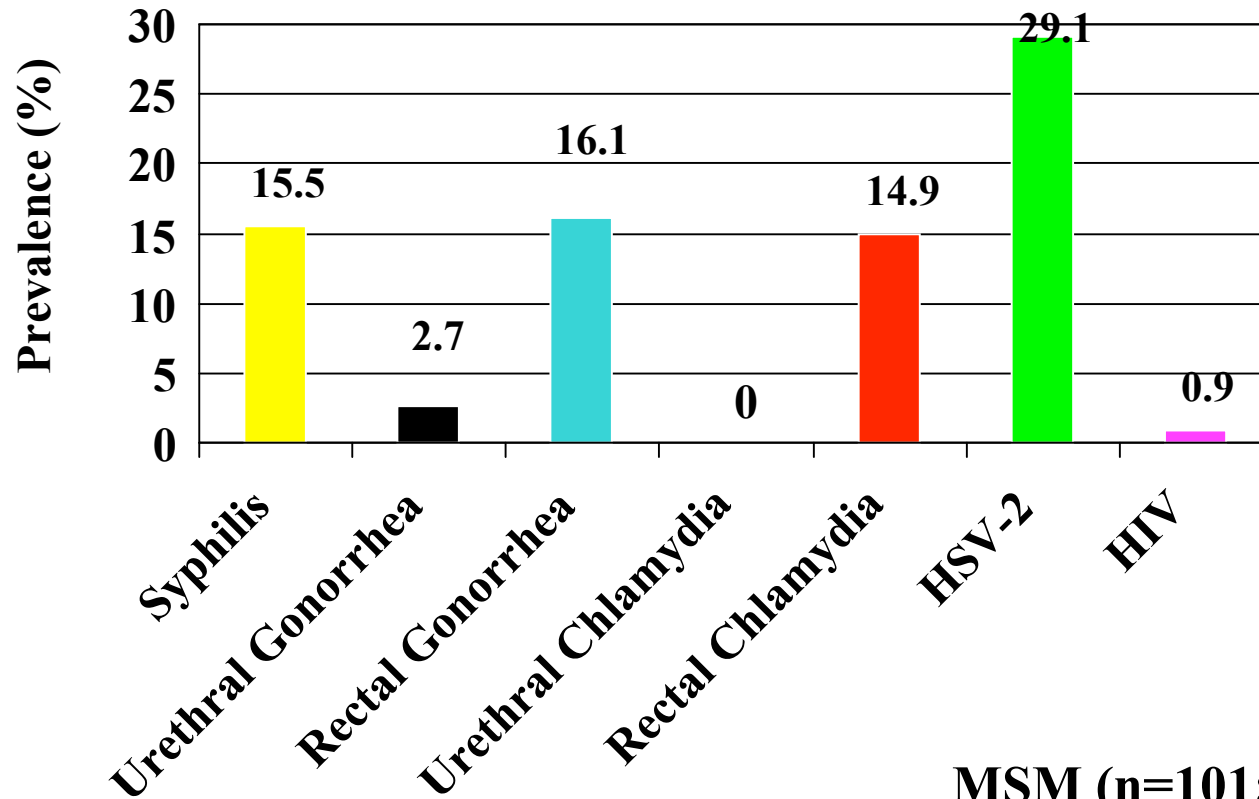


# STI prevalence among MSM in Cambodia, 2000



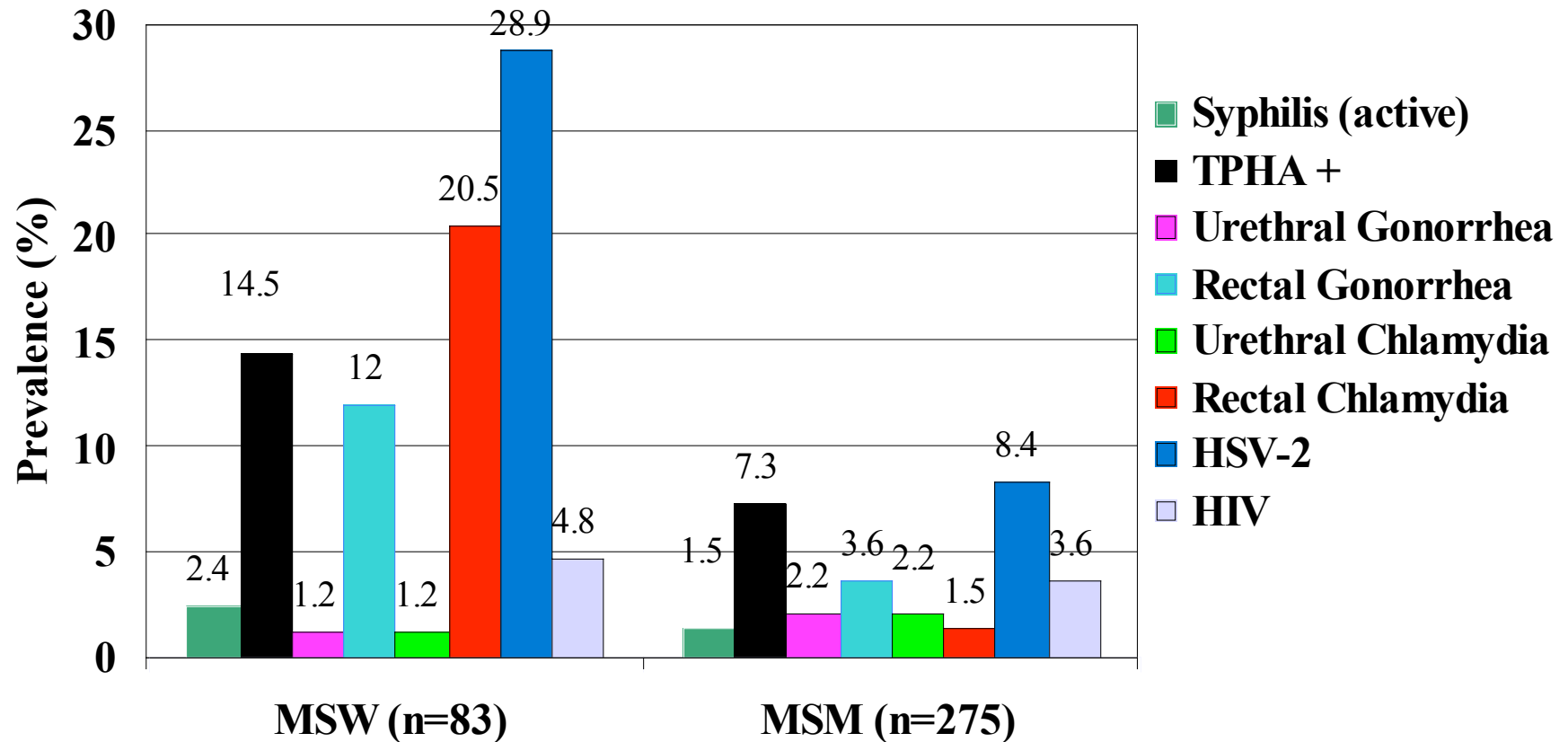
Phnom Penh (n=206)

# STI prevalence among MSM in East Timor, 2003

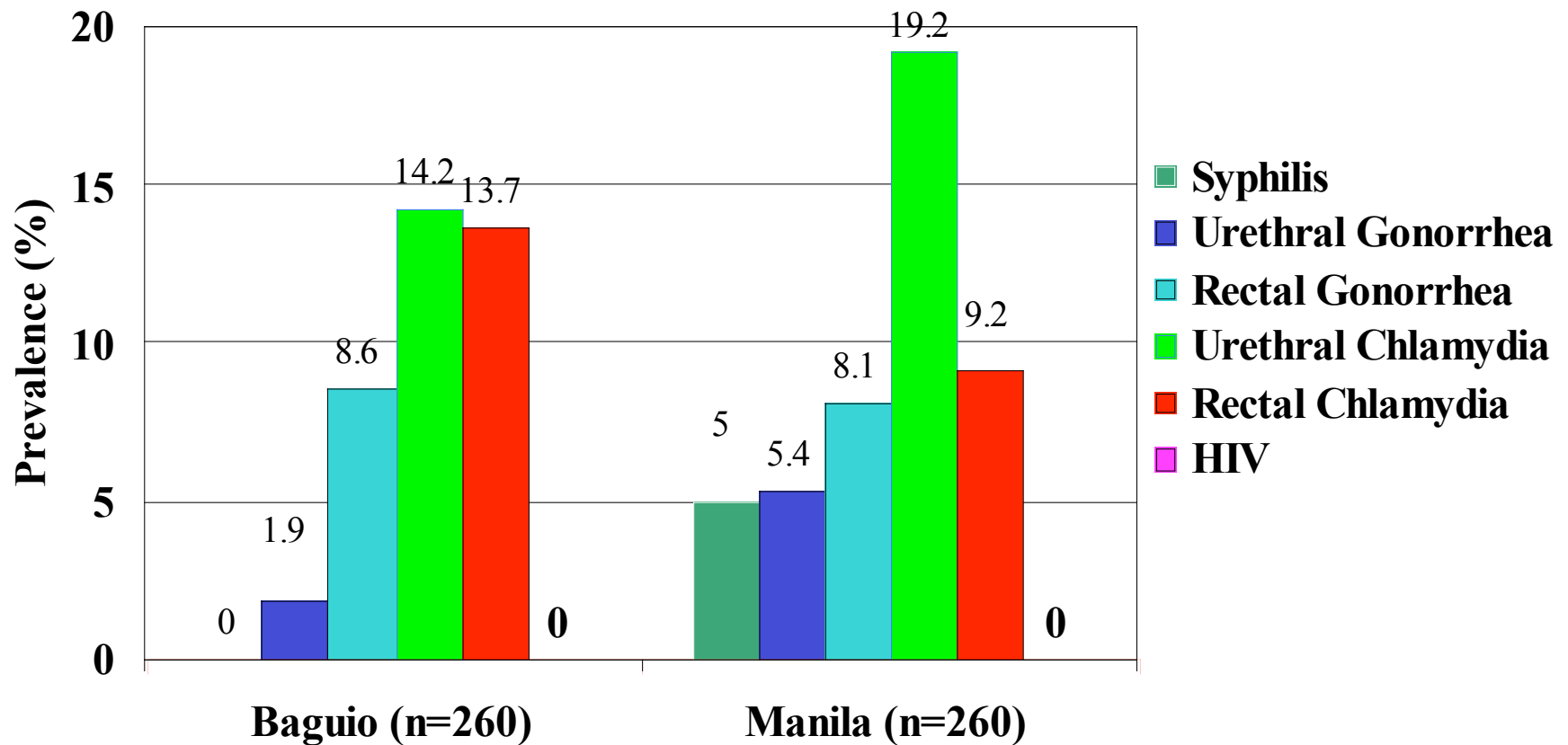


MSM (n=101; rectal swabs n=87)

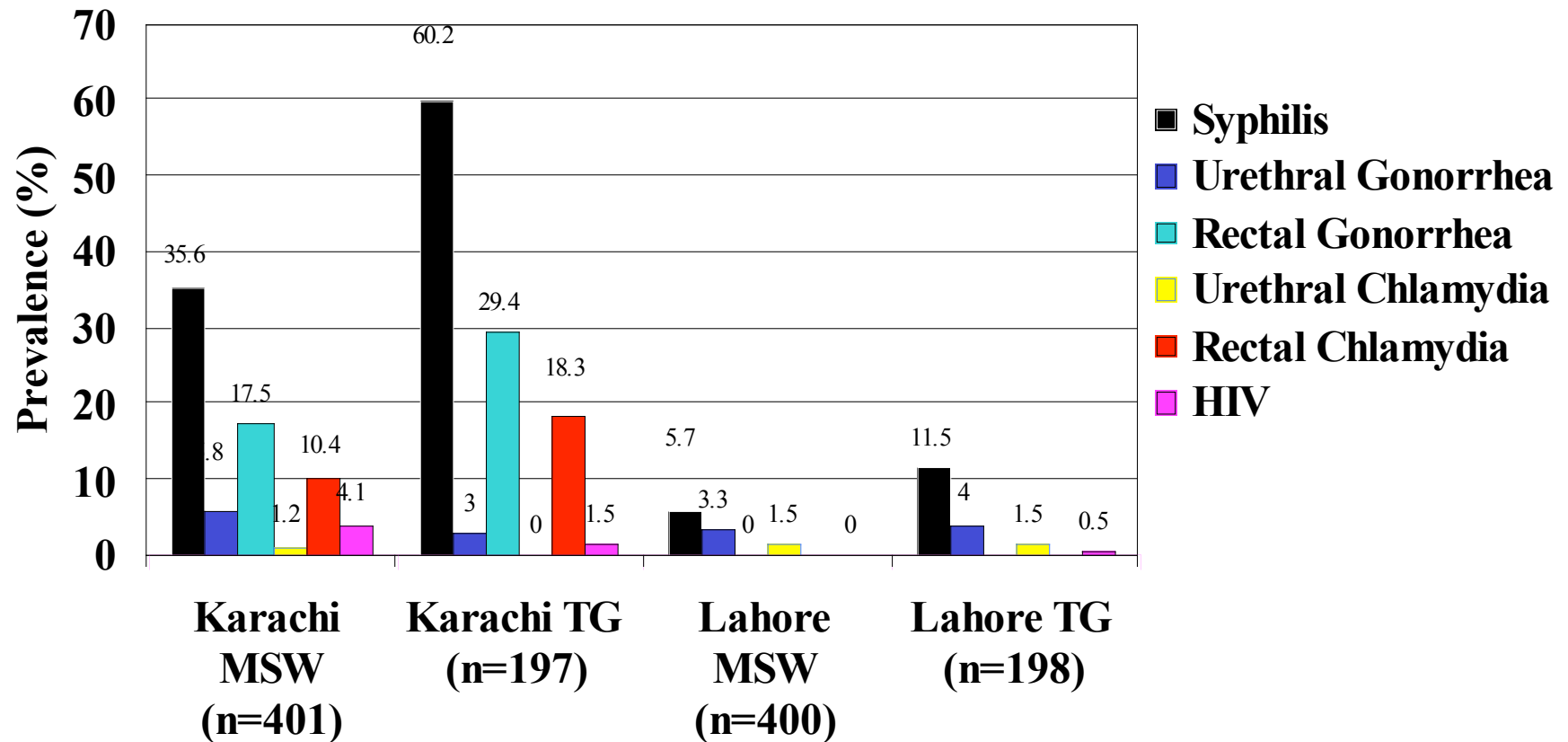
# STI prevalence among MSM in Nepal, 2004



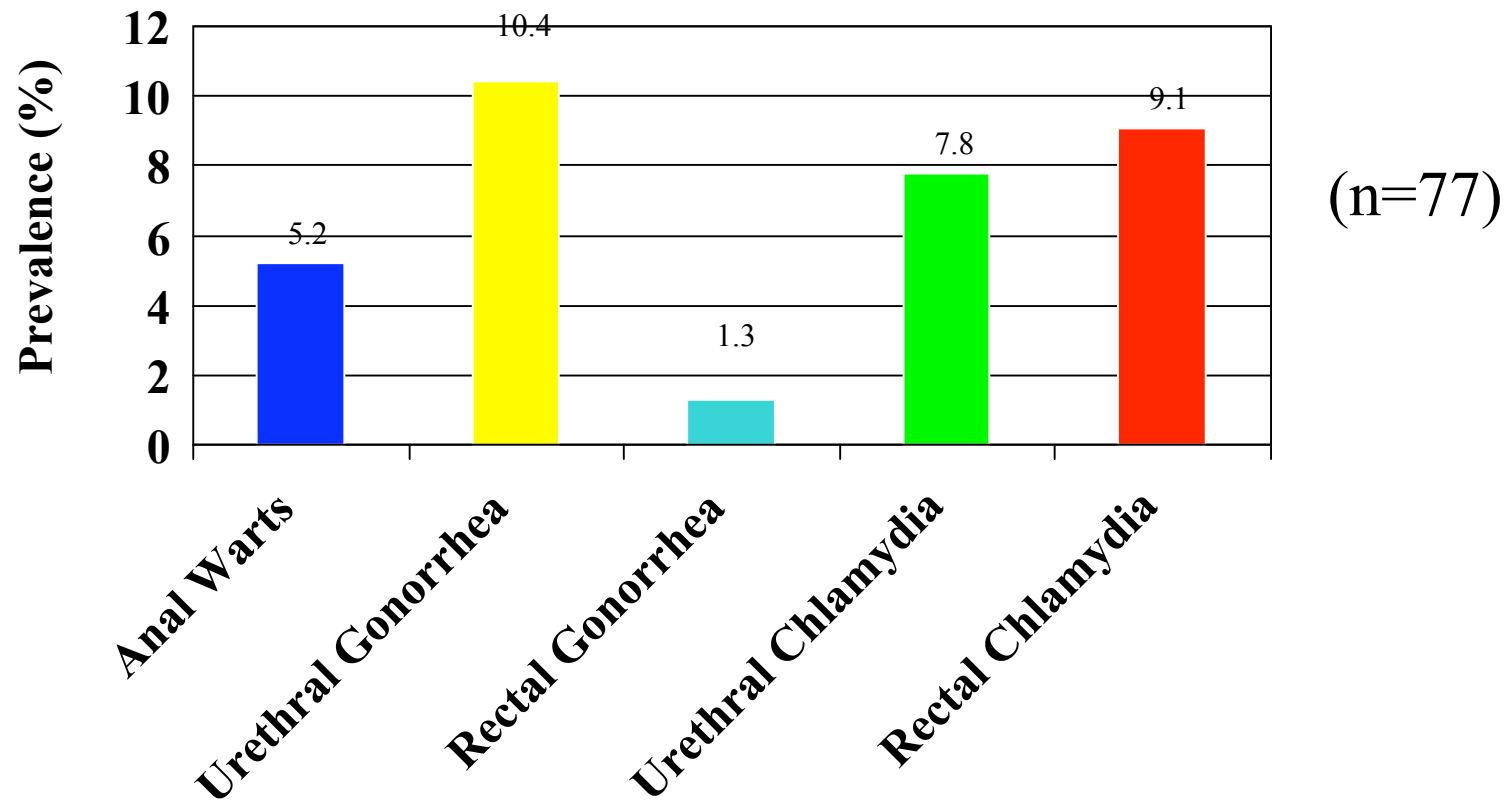
# STI prevalence among MSM in the Philippines, 2004-5



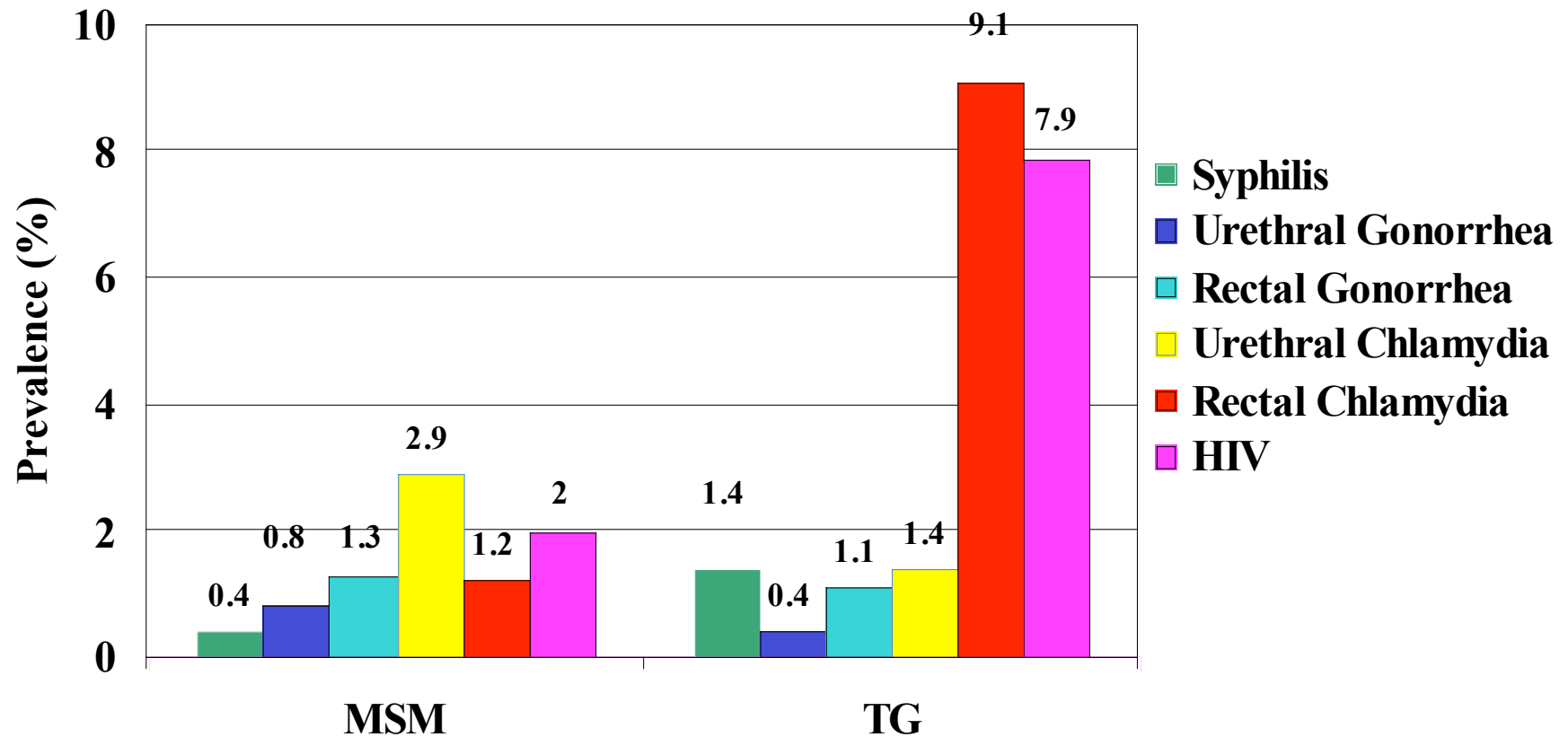
# STI prevalence among MSWs and TGs, Pakistan, 2005



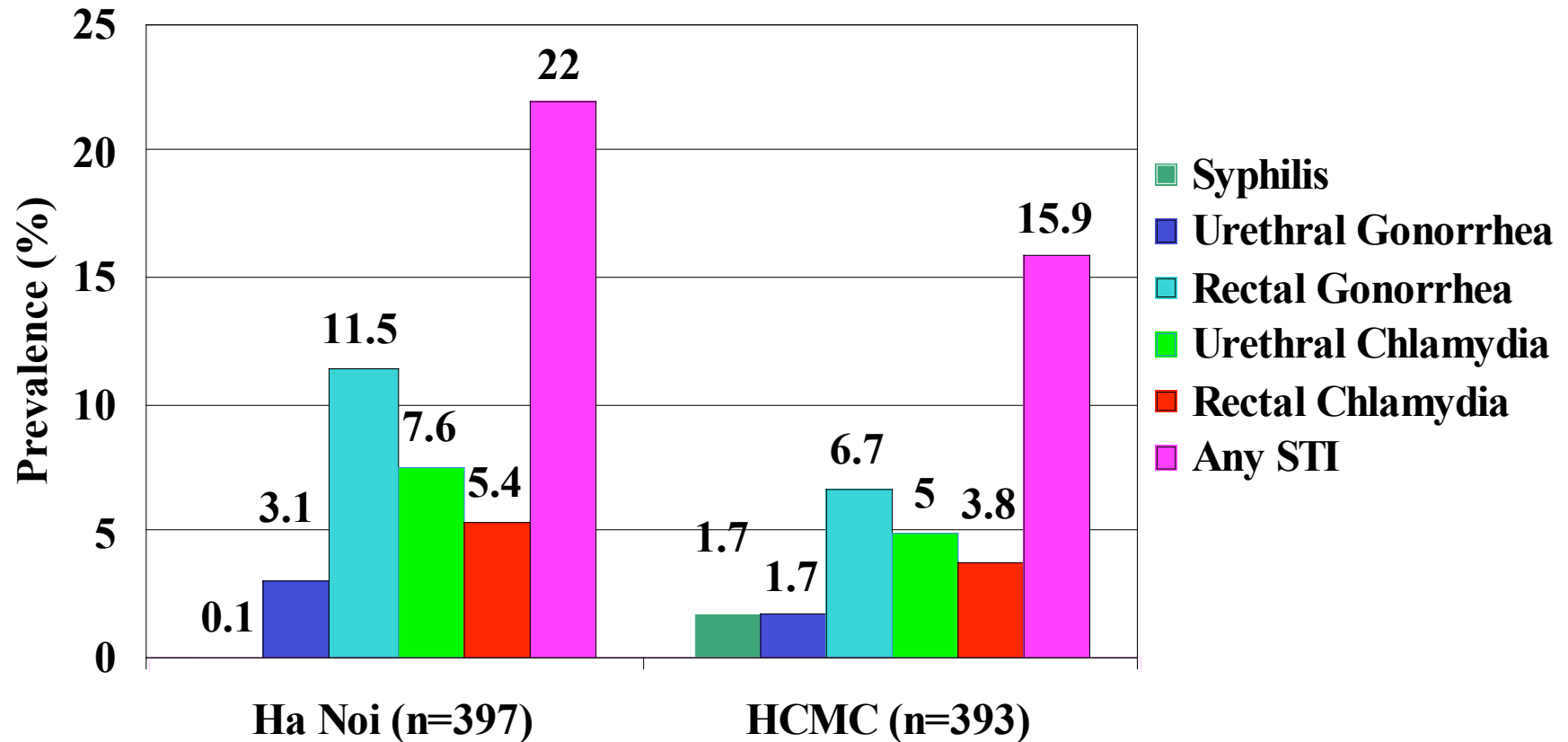
# STI prevalence among MSM practicing receptive anal sex, Bangkok, 2005



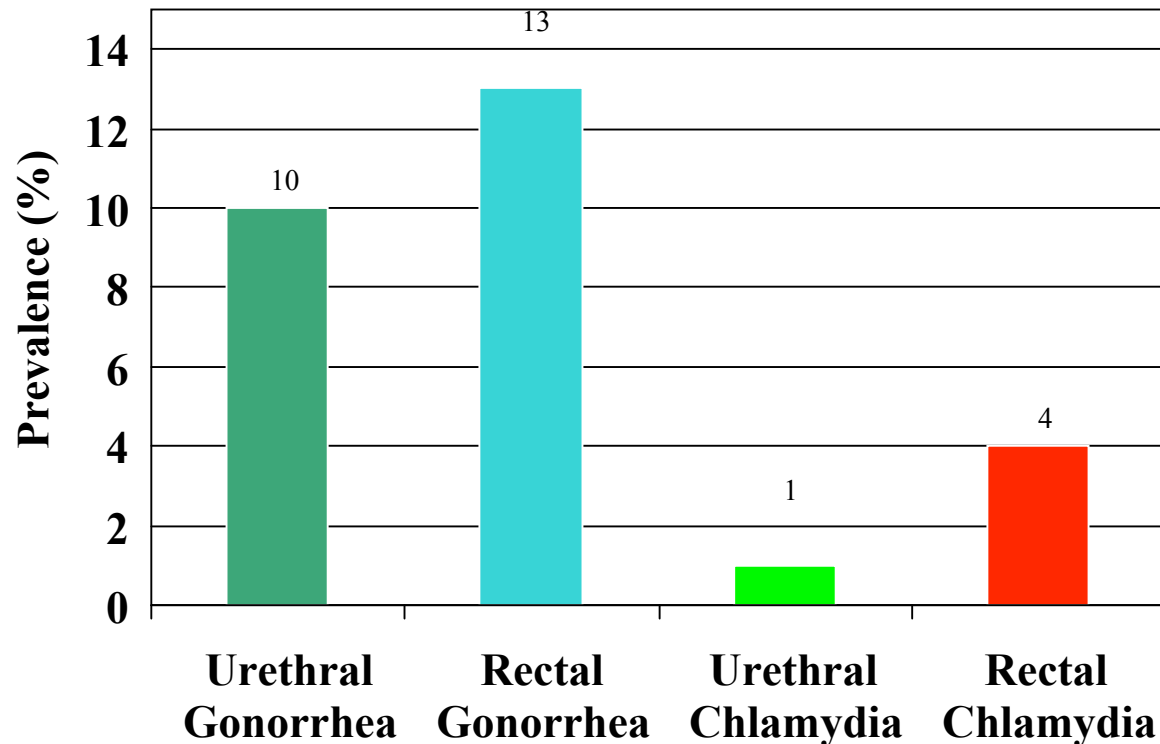
# STI prevalence among MSM, Cambodia, 2005



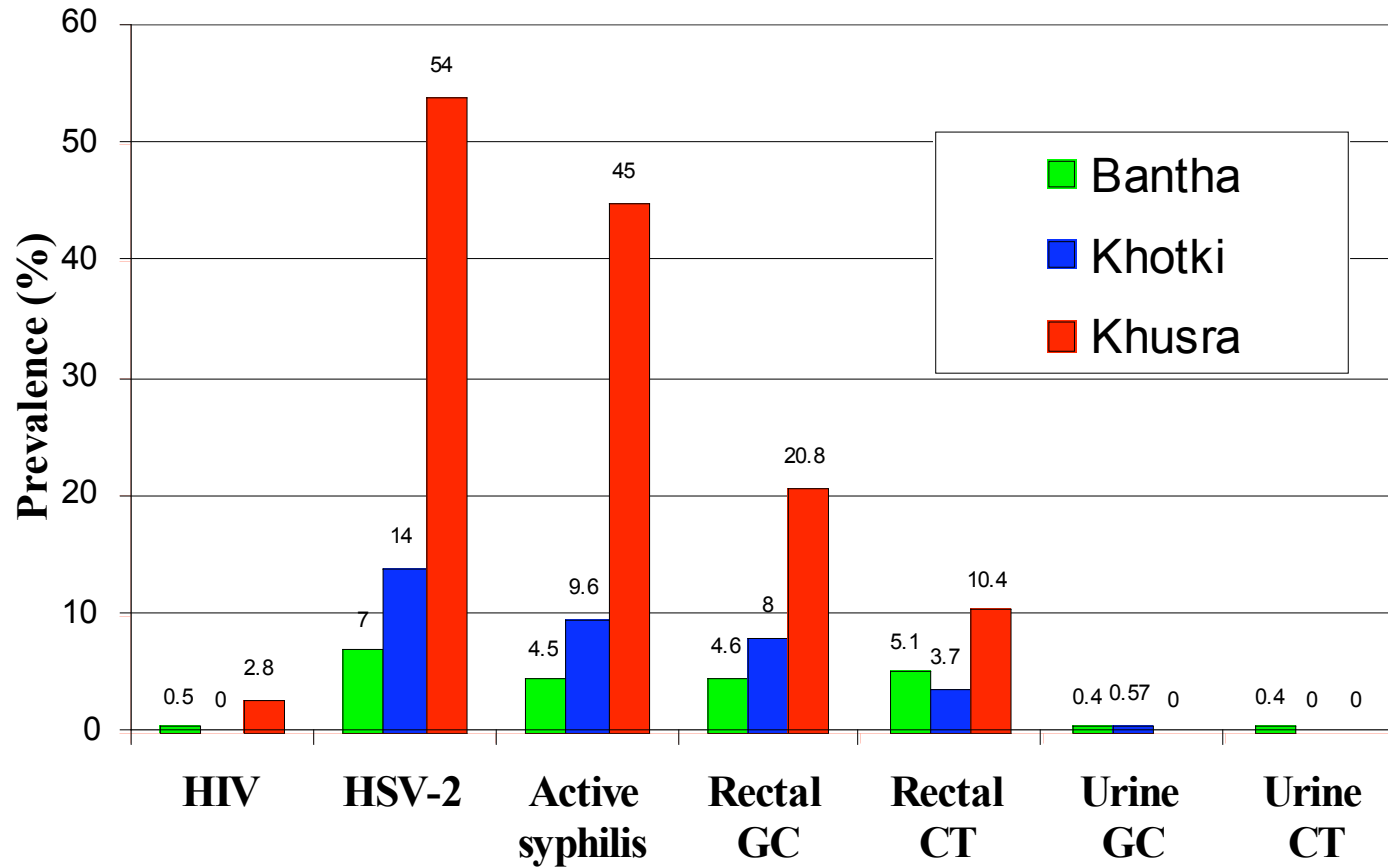
# STI prevalence among MSM in Viet Nam, 2005-6



# STI prevalence among MSM, Mumbai, 2006-7 (n=215)



# STI Prevalence among MSWs, Rawalpindi and Abbotabad, Pakistan, 2007



# MSM Clinical Guidelines

Clinical Guidelines

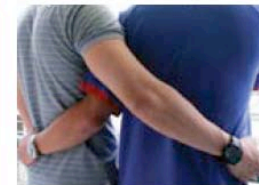
...for Sexual Health Care of Men who Have Sex with Men

IUSTI Asia Pacific Branch



Clinical Guidelines for Sexual Health Care of Men who Have Sex with Men

Flip Chart



Proctitis

Used with permission from AIDS Concern Hong Kong

Guidelines: [www.iusti.org/sti-information/](http://www.iusti.org/sti-information/)  
Curriculum: [www.go2itech.org/itech?page=co-09-01](http://www.go2itech.org/itech?page=co-09-01)

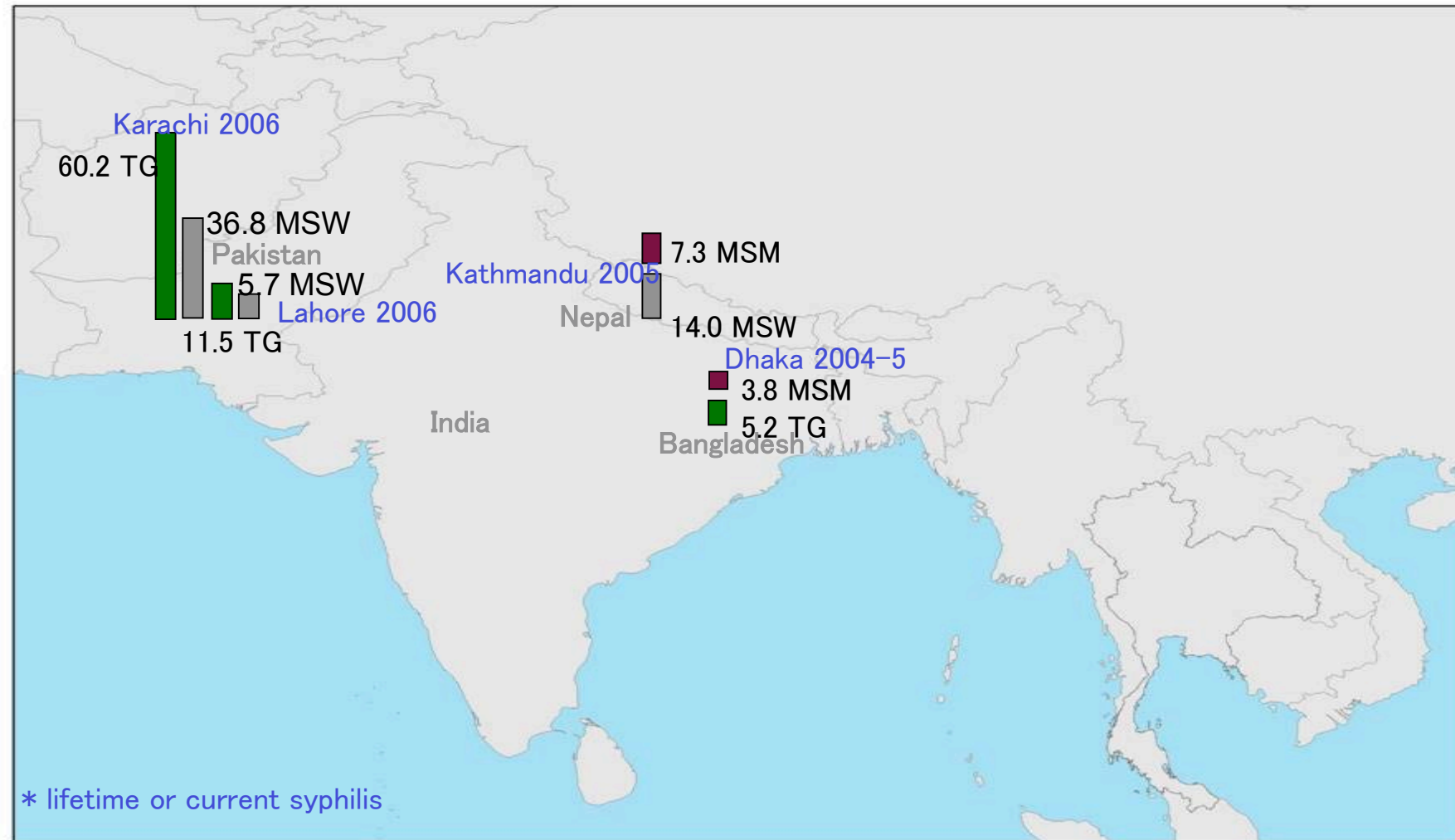
# Summary

- **Wide range of prevalence of rectal GC/CT – implications for presumptive treatment**
- **Highest rates seen in transgenders**
- **No data on neovaginal STIs**
- **Very few data on other rectal STIs – e.g., anal syphilis, LGV, anal warts and other HPV disease**
- **No data for women**

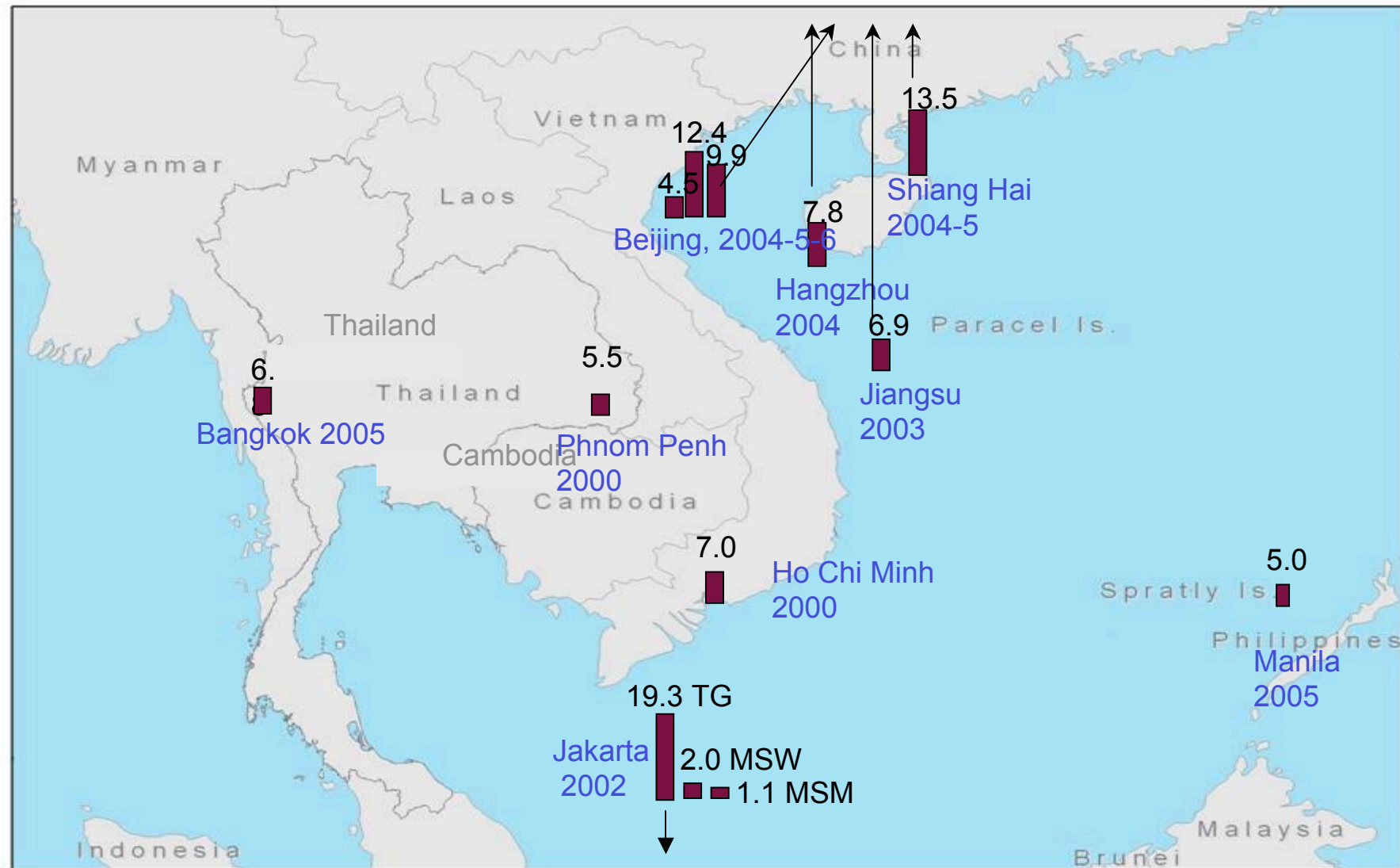
# Study Methods

Study	Lab method	Subjects and specimen collection
Phnom Penh 2000	GC culture, GC, CT Amplicor	All
Dili 2003	GC, CT Amplicor	All, self
Kathmandu 2004	GC, CT Amplicor	All, self
Pakistan 2005	GC, CT Amplicor	All, clinician
Bangkok 2005	GC culture, CT ELISA	Rec. anal sex only
Manila 2005	GC, CT Amplicor	All, clinician or self
Cambodia 2005	GC, CT, BD ProbeTec	All, self
Vietnam 2006	GC, CT Amplicor	All, clinician
Mumbai, 2006-7	GC, CT Amplicor	All, clinician
Pakistan 2007	GC, CT Amplicor	All, clinician

# Syphilis\* prevalence, MSM in Asia



# Syphilis prevalence among MSM in Asia



After van Griensven. Sources: Girault, 2004; FHI, 2002, 2004, 2005; Pisani, 2004; Jiang, 2006; Lui, 2006; van Griensven, 2007; Ma, 2007; Ruan, 2007.

# HIV prevalence among MSM in Asia

