

# Global Role of Infection in Infertility

IFFS 2019 World Congress, Shanghai

James Kiarie





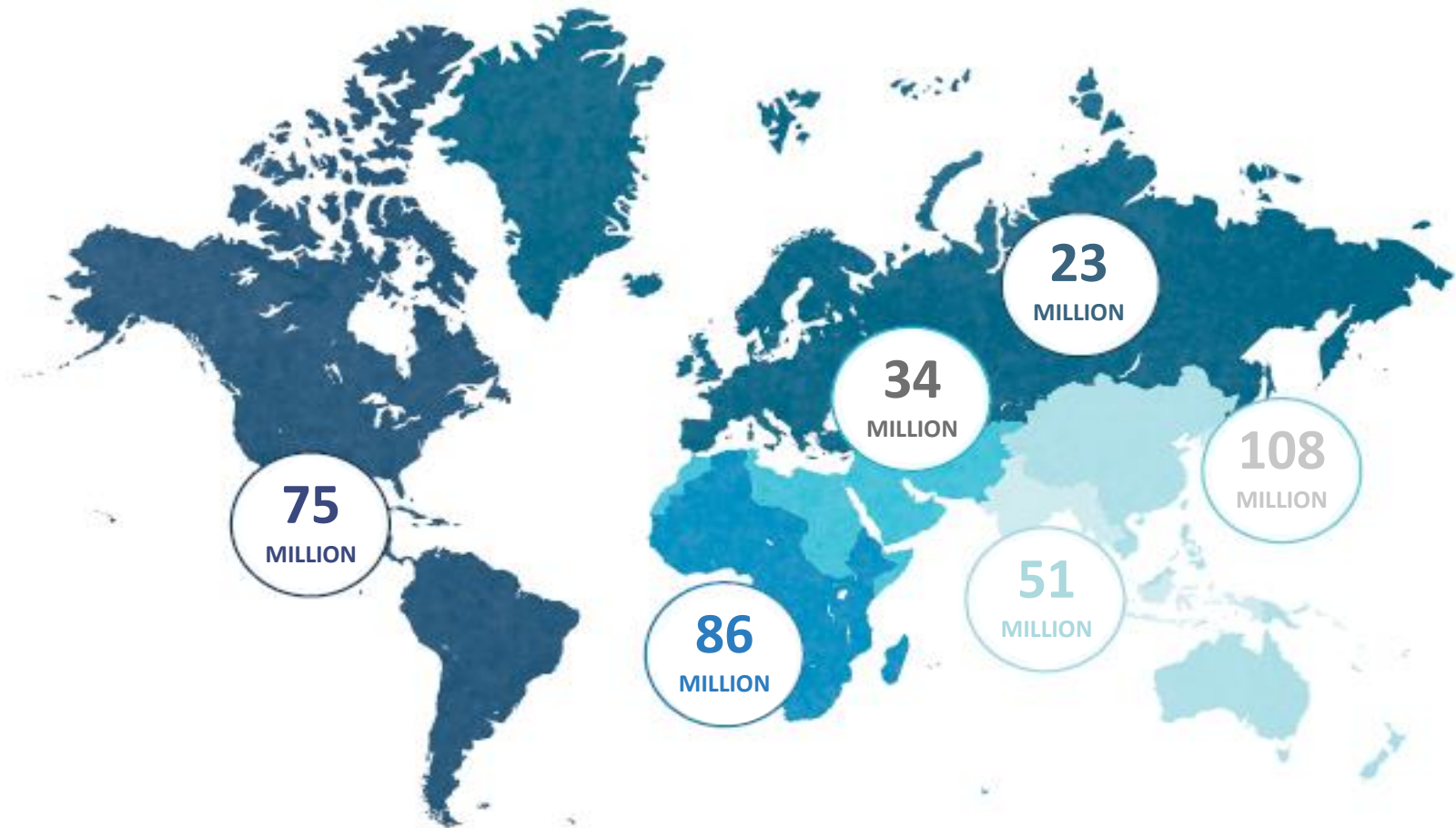
# WHO STI Estimates: Overview

- Quantifying STI prevalence and incidence is important for planning interventions and advocating for resources
- WHO has produced global and regional prevalence and incidence estimates of four curable STIs in 15 to 49 year old men and women approximately every 5 years since 1995 (1995, 1999, 2005, 2008, 2012 and 2016)
- Four infections are:
  - Chlamydia (*Chlamydia trachomatis*)
  - Gonorrhoea (*Neisseria gonorrhoeae*)
  - Trichomoniasis (*Trichomonas vaginalis*)
  - Syphilis (*Treponema pallidum* subspecies *pallidum*)

# WHO 2016 Estimates: adults 15 to 49

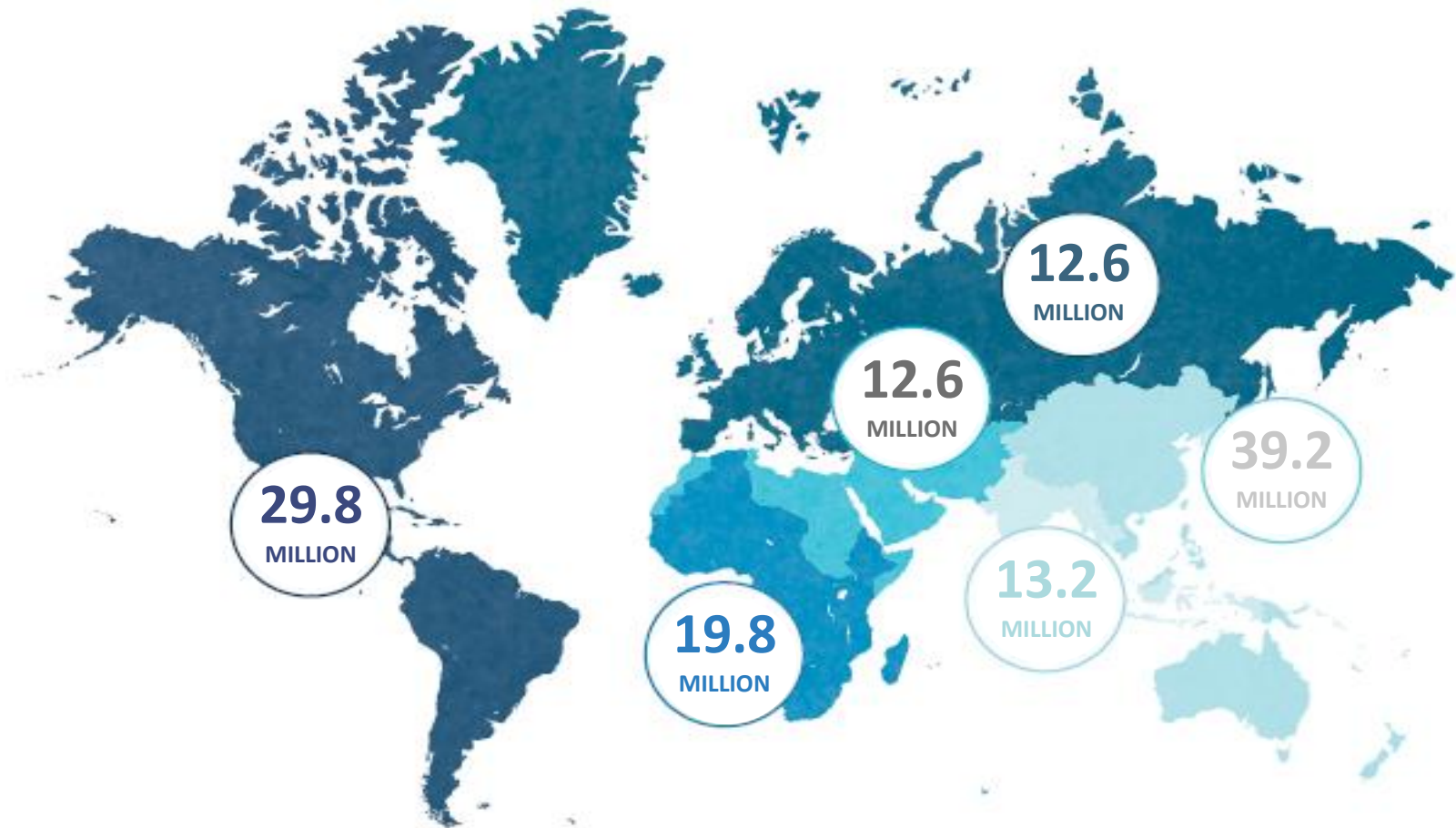
## 376 million new cases of curable STI

Curable STI (Chlamydia, gonorrhoea, syphilis and trichomoniasis)



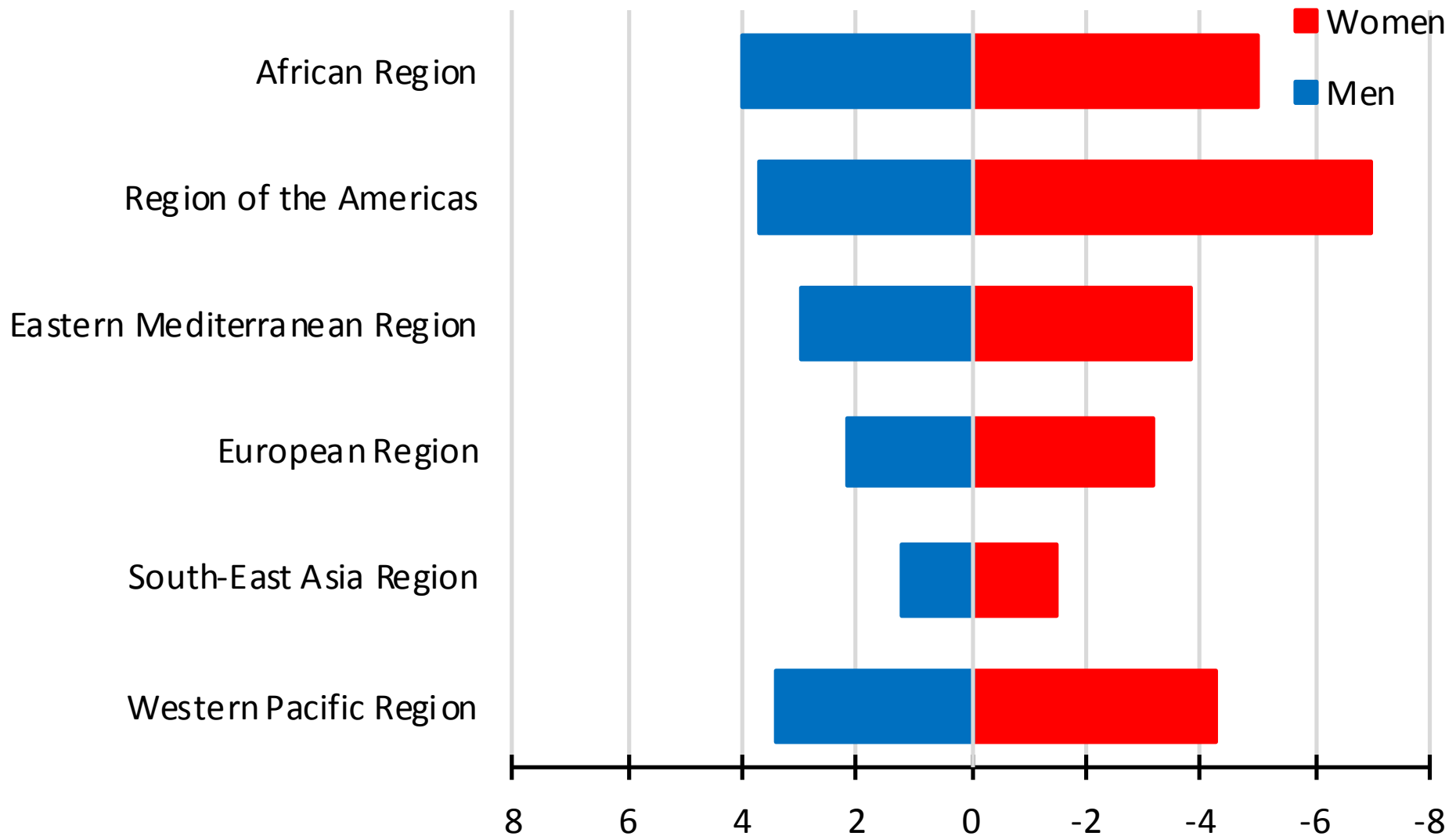
# WHO 2016 Chlamydia Estimates in adults 15 to 49

## 127 million new cases



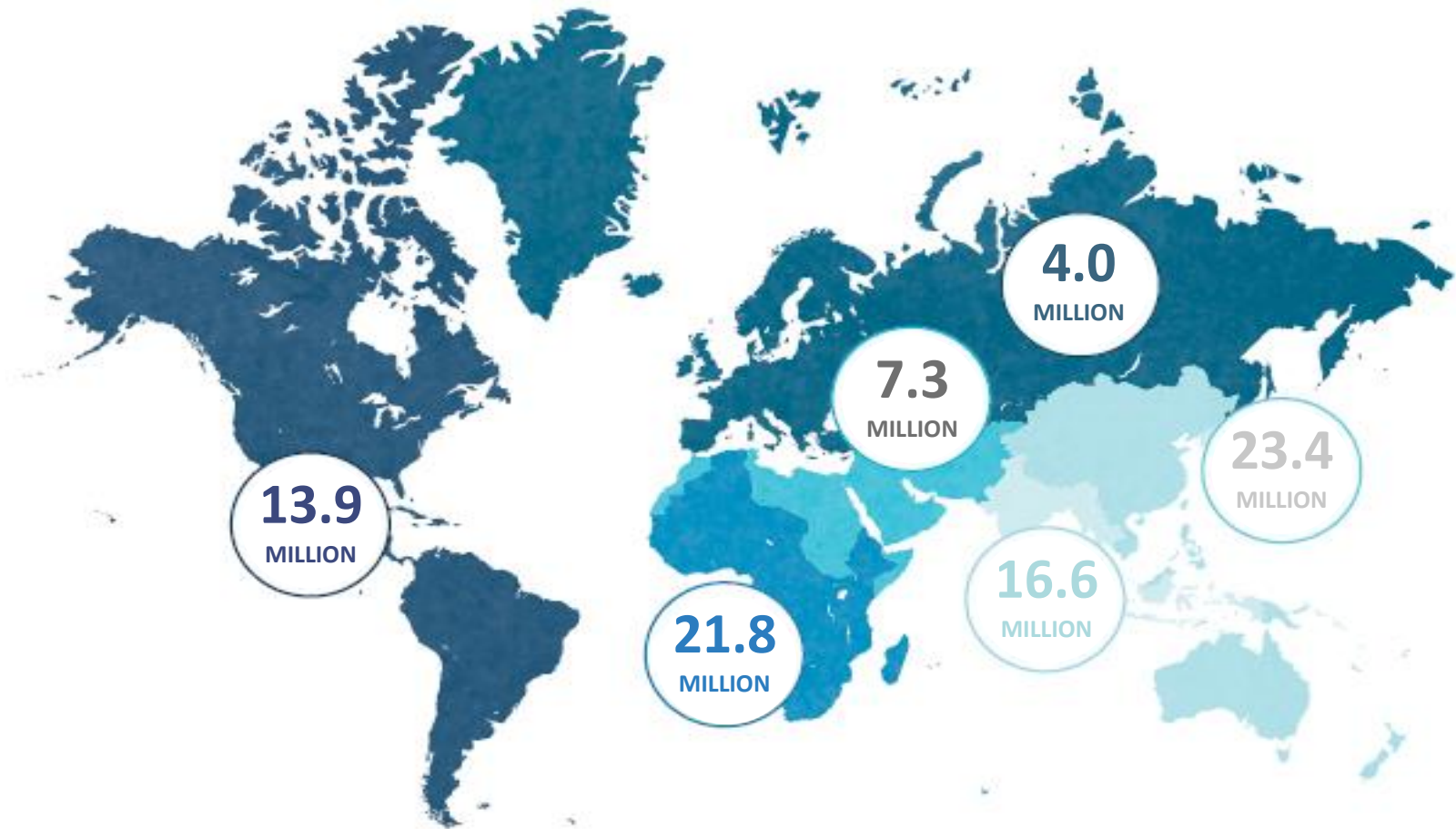
# 2016 Chlamydia Prevalence 15 to 49 Years

## 127 million new cases



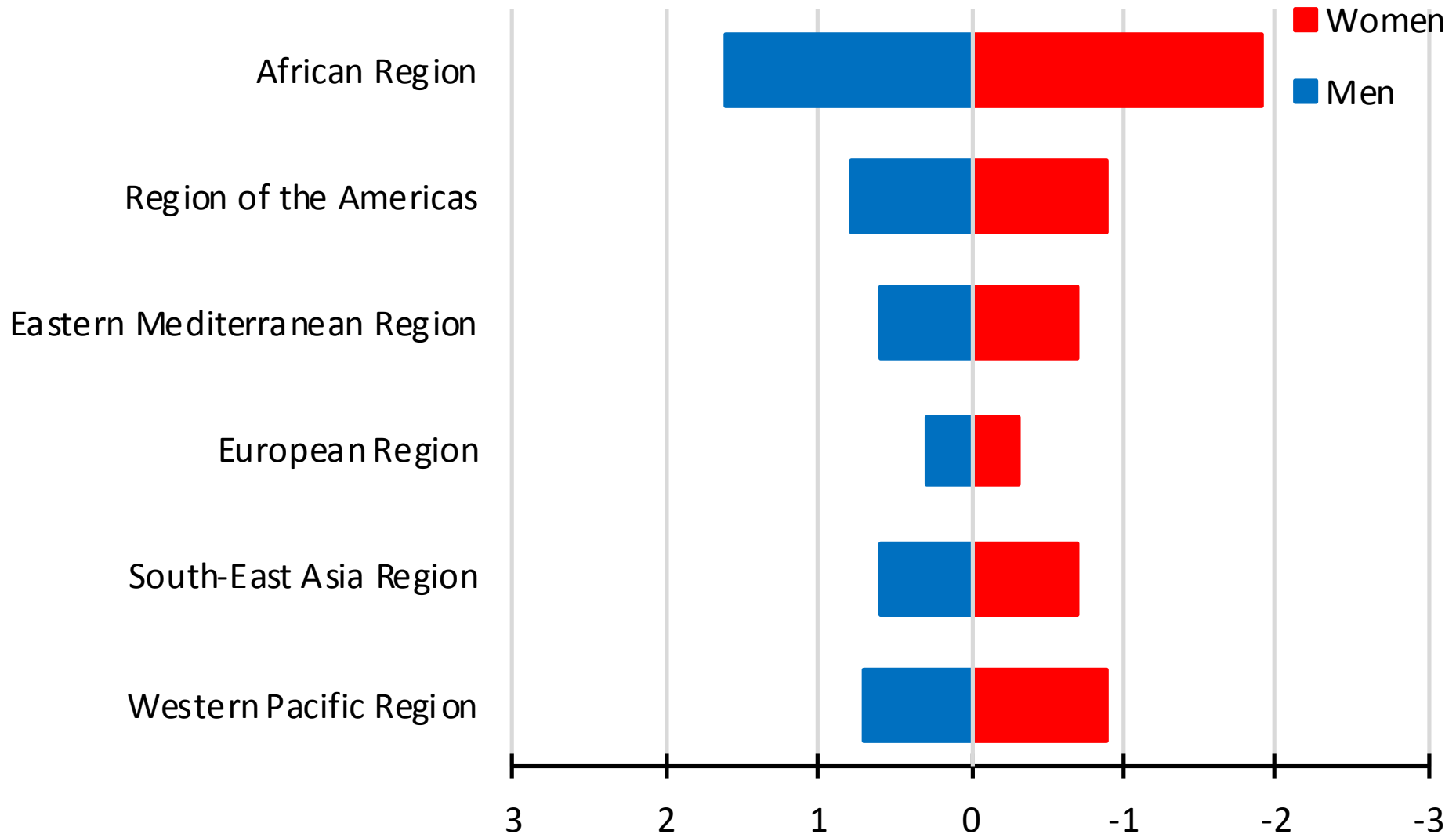
# WHO 2016 Gonorrhoea Estimates in adults 15 to 49

## 87 million new cases



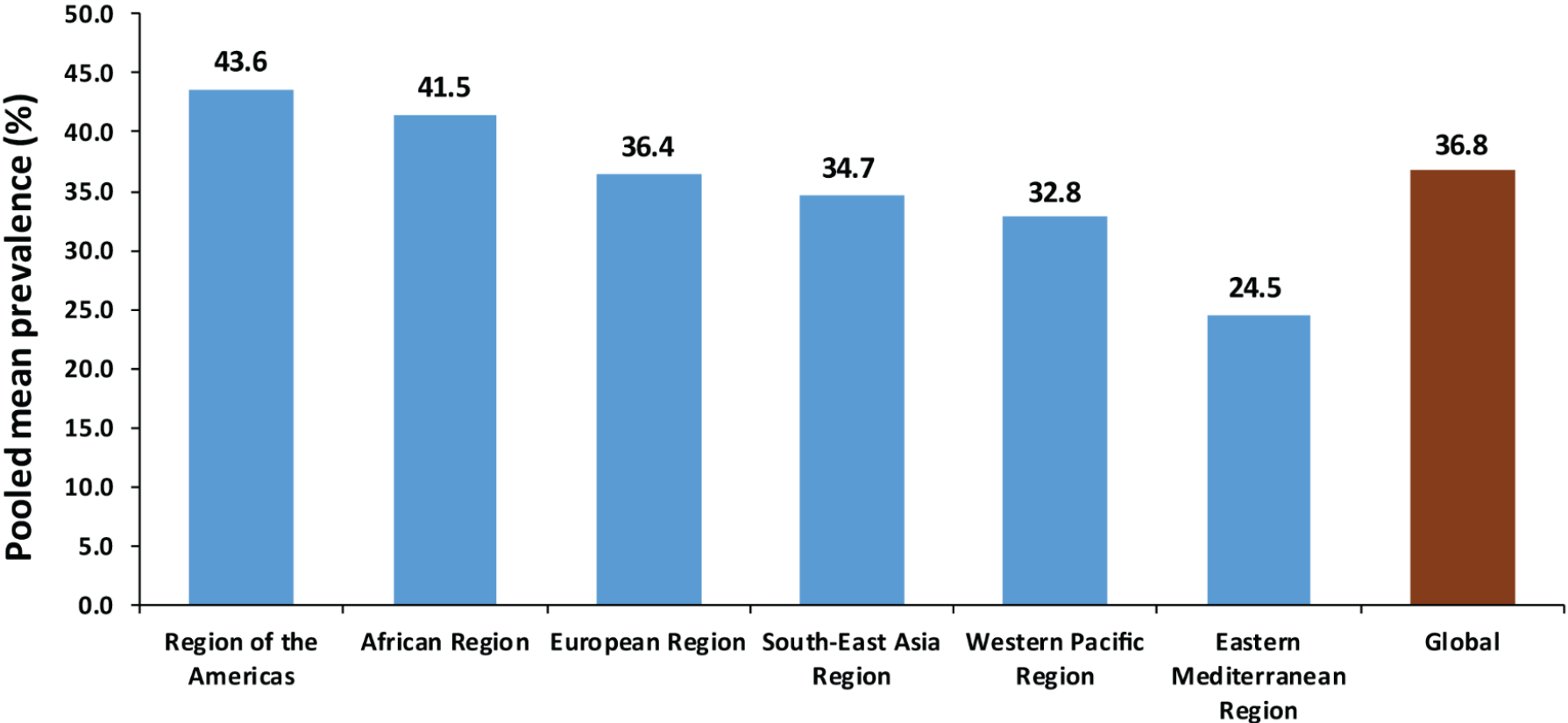
# 2016 Gonorrhoea Prevalence 15 to 49 Years

## 87 million new cases





# Lifetime exposure to CT in infertile populations



# Thank You

## Acknowledgements

1. Laith J Abu-Raddad, H. Chemaitelly, K. Blondeel, St. Migchelsen, W. Huston
2. Igor Toskin
3. Melanie Taylor