

Global Point Prevalence Survey: Antimicrobial Consumption and Healthcare Associated Infections (HAI)



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For the Global-PPS network

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Disclosures

“bioMérieux is the sole private sponsor of the GLOBAL Point Prevalence Survey. The Global-PPS is also funded by a personal Methusalem grant to Herman Goossens of the Flemish government.

The funder has no role in study design, data collection, data analysis, data interpretation, or writing the report.

Data are strictly confidential and stored anonymously at the coordinating centre of the University of Antwerp.”

Content

Aims

Methodology

General results

- Degree of participation
- Global antimicrobial prevalence rates

Results on HAI

Discussion



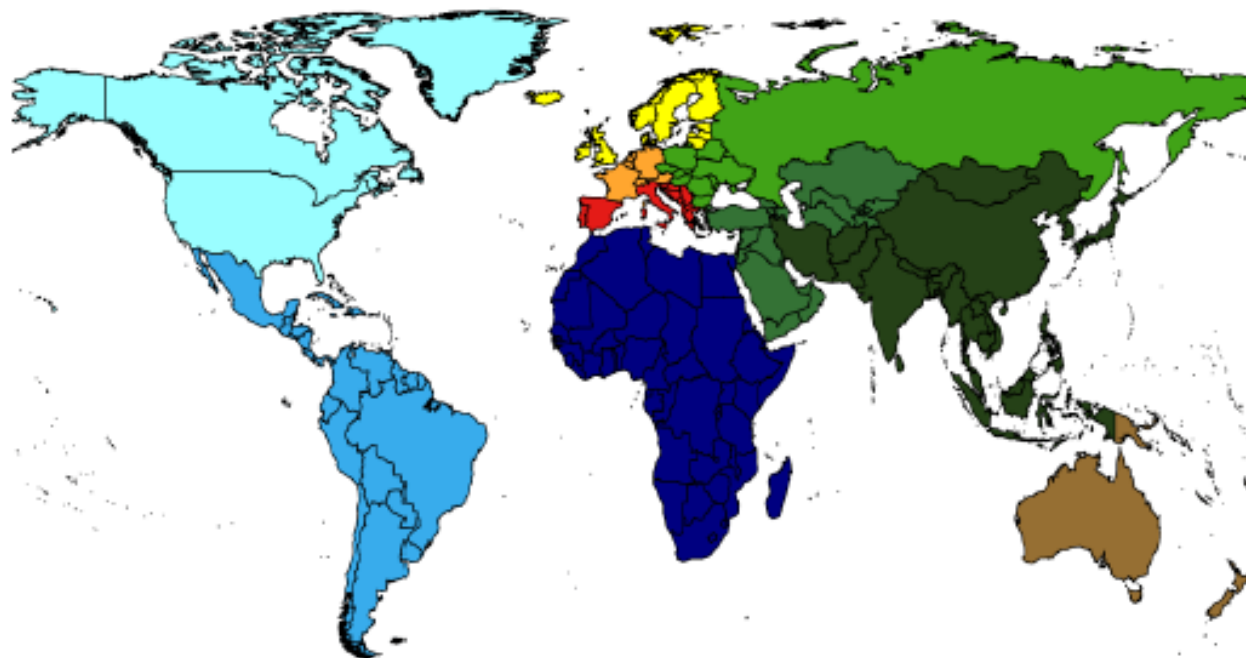
Global-PPS aims

- **Evaluate the situation in the hospital** : determine variation in drug, dose and indications of antimicrobial prescribing in hospitalized **adults, children and neonates** locally and regionally across countries & continents.
- **Identify targets** to improve quality of antimicrobial prescribing
→ improve healthcare quality and promote prudent antimicrobial use.
- **Assess effectiveness of interventions** through repeated PPS.
- Strengthen health capacity.
- **Combat antimicrobial resistance.**



Methodology

- Protocol (www.global-PPS.com)
- Data collection templates - paper forms
 - Ward form : all wards are included 'once'
denominator data = N patients admitted
 - Patient form : numerator data
- Web-based data-entry, verification, validation and reporting through the Global-PPS programme
- Any hospital was welcome to join the Global-PPS network
- Data-collection : 2015, 2017, 2018 (3 periods)



Methods

Analyses by United Nations Region

- North America
- Latin America
- Africa
- North Europe
- West Europe
- South Europe
- East Europe
- West & Central Asia
- East & South Asia
- Australia & New Zealand





Global Point Prevalence Survey on Antimicrobial Consumption and Resistance

[CLICK HERE TO SIGN UP FOR THE GLOBAL-PPS.](#)



Data entry

Click here for data-entry, validation and reporting.



Documents

Download here study protocol and other documents.



Global Antimicrobial Stewardship

Learn how to use Point Prevalence Surveys

Latest news

15

Global-PPS in the Lancet Global Health
Read the first overall Global-PPS results on

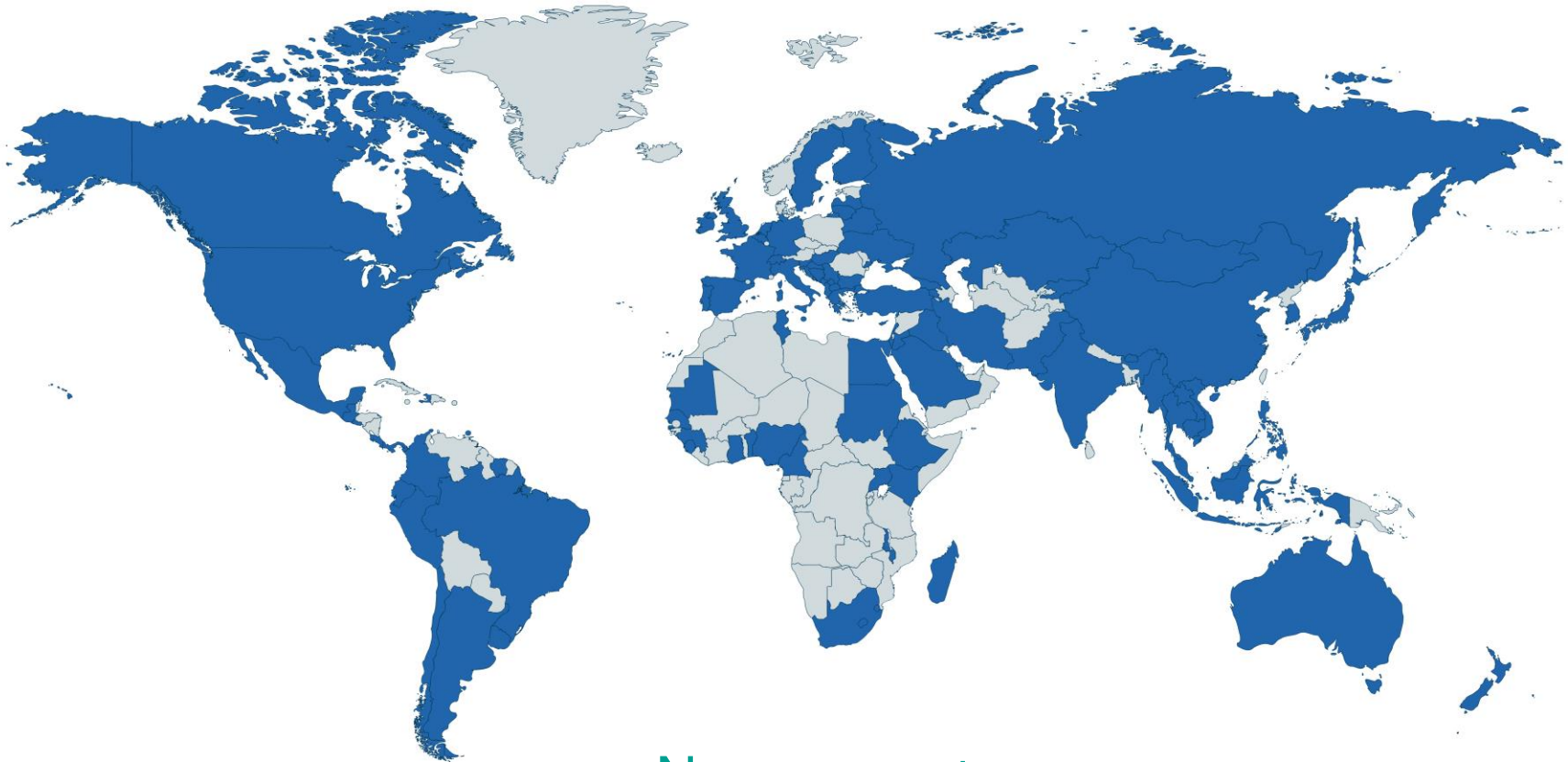
www.global-pps.com

Contact global-PPS@uantwerpen.be



RESULTS

Degree of participation or enrollment : situation today



N = 96 countries
N $\approx$ 1000 hospitals
N $\approx$ 220,000 patients



The Global-PPS 2015 & 2017 database

2015 (53 countries)

100,777 admitted patients

48,628 antimicrobials of
which 43,573
antibacterials (J01; 89.6%)

8644 patients with **HAI**
(8.5%)

11768 antimicrobials to
treat HAI

2017 (50 countries)

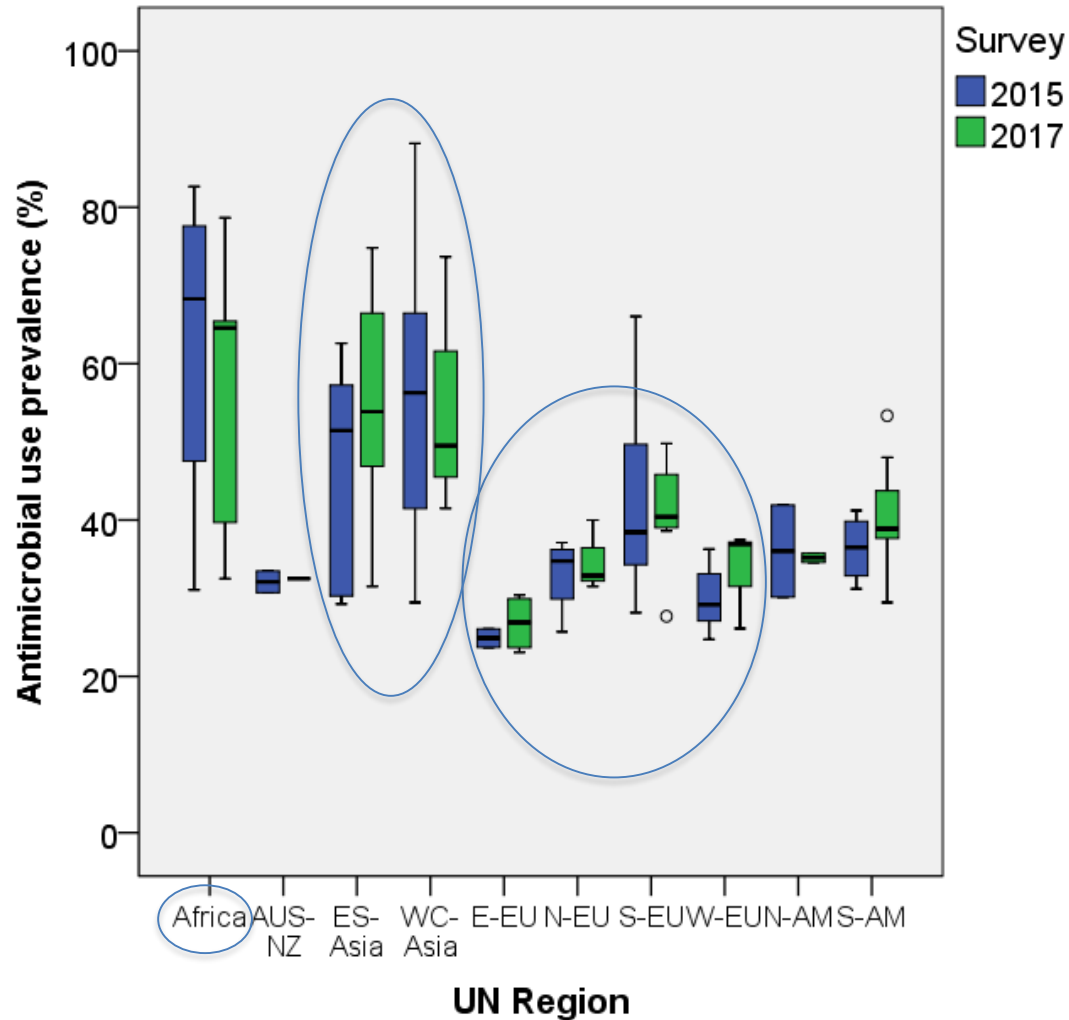
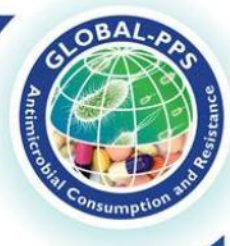
104,358 admitted patients

55,380 antimicrobials of
which 49,554
antibacterials (J01; 89.5%)

8836 patients with **HAI**
(8.6%)

12560 antimicrobials to
treat HAI

Antimicrobial use prevalence (%) by UN-region (country-ranges)



Detailed results on **HAI prevalence, type of HAI, quality indicators and most prescribed antibiotics** available on request,

Discussion

- Overall AMU and HAI prevalences are similar for 2015 and 2017
- But: different countries and different hospitals included in the different periods
 - Interpret results with caution
 - Difficult to assess general trends

Future developments (2019)

- Health Care Associated Infection (HAI) module, optional
- Facilitate sustainable antimicrobial stewardship activities
 - Development of survey to assess impact of Global-PPS on stewardship activities, the needs and barriers
 - Practical E-learning module (hands-on cases)
 - Sharing of experiences, networking, capacity building



**As of 2018: yearly
Global–PPS with three
possible time frames**

**Any hospital is welcome
to participate !**

URL: www.global-pps.com

Contact: global-PPS@uantwerpen.be