

## Critical benefits for the hospital and its patients

GLOBAL-PPS provides an easy tool to:

- Evaluate antimicrobial prescribing practices in your hospital
- Identify targets to improve the quality of antimicrobial prescribing in your hospital
- Help designing hospital interventions to promote prudent antimicrobial prescribing and to start designing sustainable antimicrobial stewardship programs

## Last but not least...

Data are completely anonymously entered online. The data remains the property of the hospital. Participation of hospitals and all fieldwork at the hospital level is done on a voluntary basis.

The Global-PPS team encourages regional or country specific analysis led by a “local coordinator” or the “national or regional Global-PPS participant”.

A publication policy is available on request.

*“We followed your advice and made a survey team, and it was such a nice opportunity for us to develop nice interaction, to further develop our extremely good cooperation. It was extremely useful that we surveyed together most of the wards. It was easier than we expected, staff were very collaborative and efficient, and we were very surprised how well it was achieved, having in mind that we did not opt to distribute posters and other stuff. It seems that people liked and welcomed our action. We hope that we will continue to collaborate with you, we are looking forward for any kind of collaboration!”*

Testimonial from Serbia

## Foreseen timeline

Three surveys are available each year to allow investigating seasonal variation (January-April, May-August and September-December). Any hospital worldwide is welcome to participate. Bigger hospitals who have previously participated at least once to the Global-PPS are able to participate with a subsample of the hospital whereby a set of certain ward types are covered only (eg all ICUs, all surgical or all paediatric wards).

## Lead investigators

Prof. Herman Goossens

Herman.Goossens@uza.be



Laboratory of Medical Microbiology  
Vaccine & Infectious Disease Institute  
University of Antwerp

## Coordination and technical support

- Ann Versporten
- Ines Pauwels
- Nico Drapier
- Robin Bruyndonckx
- Peter Zarb
- Herman Goossens

[Global-PPS@uantwerpen.be](mailto:Global-PPS@uantwerpen.be)

[www.global-pps.com](http://www.global-pps.com)

# Global Point Prevalence Survey of Antimicrobial Consumption and Resistance (Global-PPS)



# Contact us

[www.global-pps.com](http://www.global-pps.com)

## The project

The standardized Global Point Prevalence Survey of Antimicrobial Consumption and Resistance (Global-PPS) offers a simple, freely available web-based tool to monitor antimicrobial prescribing and resistance in hospitals worldwide. The tool provides quantifiable measures to assess and compare quantity and quality of antibiotic prescribing and resistance in hospitalized adults, children and neonates worldwide.

The Global-PPS aims to change antimicrobial prescribing practices and measure the impact of interventions through repeated PPSs.

The tool is instrumental in planning and supporting local and national stewardship interventions in a range of resource and geographical settings. Governments can use the Global-PPS tool to improve antimicrobial prescribing as part of their National Action Plan to combat antimicrobial resistance; and this with limited cost and investments of hospital staff.

This ambitious project established a global network for point prevalence surveys since 2015. Currently, the Global-PPS is repeated yearly with the possibility to join 3 different time periods. Mid 2019, an optional health care associated (HAI) module will be available.

### About bioMérieux

bioMérieux is the sole private sponsor of the GLOBAL-PPS. The Global-PPS is also funded by a personal Methusalem grant to Herman Goossens of the Flemish government. The funders have no role in study design, data collection, data analysis and data interpretation. Data are strictly confidential and stored anonymously at the coordinating centre of the University of Antwerp.

Supporting healthcare professionals  
in the fight against resistance



## Methods

- Any hospital admitting adults, children and/or neonates is welcome to participate!
- Participants are asked to conduct a “one-day” cross-sectional PPS during a predefined period of 4 months.
- It is aimed to survey each ward within the hospital only “once” within this period.
- Detailed information is collected for all hospitalized patients receiving an antimicrobial agent at 8:00 am on the day of survey.
- Data are collected on paper forms, and subsequently entered in a database using the Global-PPS web-based application for data-entry, validation and reporting.

## Support

Every participant can benefit of:

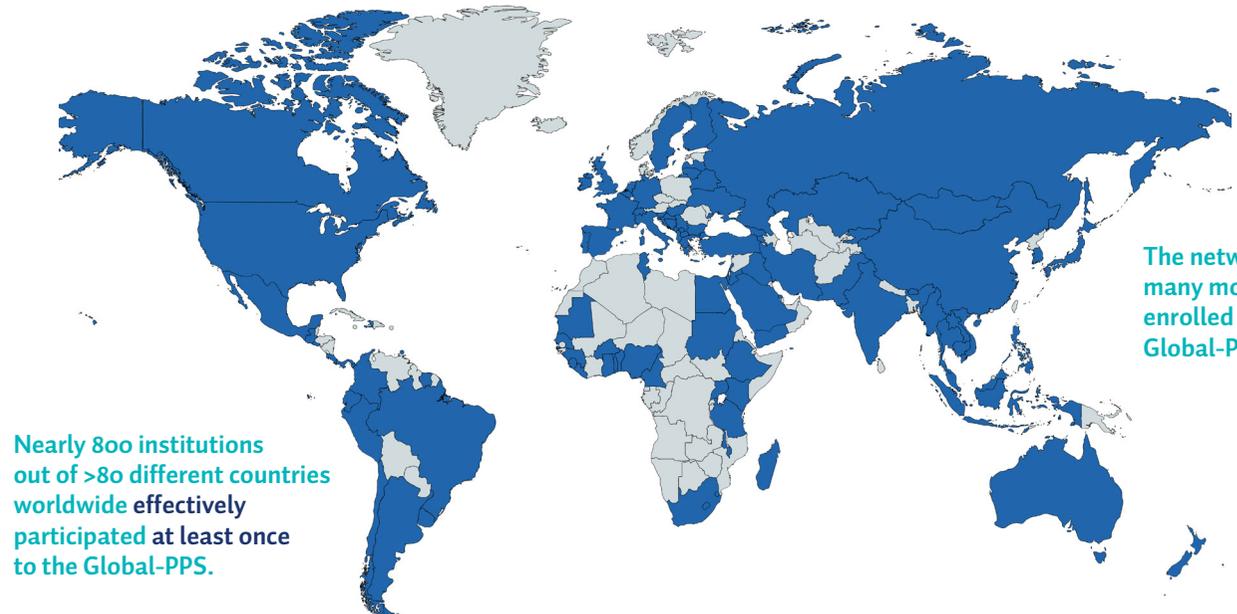
- An efficient and client-friendly helpdesk
- A dedicated web-site which provides all working documents, shared communications and publications, announcements etc.
- A network of sites ready to share experiences

## What kind of feedback is provided to you?

A strength of the Global-PPS is that, after data-entry and validation, the hospital is able to download a realtime one-point and longitudinal feedback report which can be used for local communications and presentations. Hospitalspecific antimicrobial prevalence figures are plotted against overall mean national and continental results.

Next, hospitals can at any time extract their own raw data in an Excel file. These data can be analysed for own purposes. Finally, we support and encourage collaborations between hospitals and networks.

The database includes > 200,000 patients allowing benchmarking of hospitals from similar settings (hospital types or departments), same country, region and time periods.



Nearly 800 institutions out of >80 different countries worldwide effectively participated at least once to the Global-PPS.

The network includes many more countries enrolled in the Global-PPS (map).