

CRITICAL BENEFITS FOR THE HOSPITAL AND ITS PATIENTS

The Global-PPS:

- Provides a standardized method and easy tool for assessing **hospital antimicrobial prescribing** which has proven to be applicable in a broad range of healthcare resource settings.
- Helps to identify targets for antimicrobial stewardship **interventions** without the need to invest time and resources in complex data analyses.
- Assesses the burden of **HAI** and related antimicrobial prescribing.
- Helps identify potential risk factors for **HAI**.

SURVEY TIMELINE

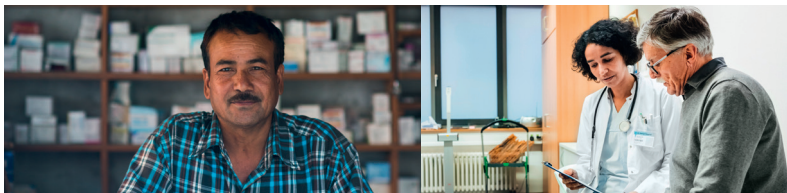
Three surveys are available each year (January-April, May-August and September-December). Hospitals can choose one or more appropriate periods of participation.

LAST BUT NOT LEAST...

Data are entered online completely anonymously. **The data remain the property of the hospital.** The data privacy excerpt is available on request. 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, national or regional coordinator.

A publication policy is available on the website.



bioMérieux is the sole private sponsor of the Global-PPS. The Global-PPS is also funded by a personal Methusalem grant to Herman Goossens from 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.



GLOBAL POINT PREVALENCE SURVEY OF ANTIMICROBIAL CONSUMPTION AND RESISTANCE (GLOBAL-PPS)

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SHARING GLOBAL KNOWLEDGE SUPPORTING LOCAL ACTIONS



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The Global-PPS is coordinated
by the University of Antwerp
and supported by bioMérieux

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THE PROJECT

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

The tool further enables to investigate healthcare-associated infections (HAI), with an emphasis on the presence of invasive devices.

MAIN AIMS OF THE GLOBAL-PPS:

- **Identify the burden:** provide survey performance indicators and identify targets for quality improvement of antimicrobial prescribing and HAI
- **Change practice:** support the design of hospital interventions that aim at promoting prudent use of antimicrobials as well as the prevention of HAIs
- **Measure impact:** assess the effectiveness of such interventions, through repeated PPS

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, with limited cost and investments of hospital staff.

Since 2015, this ambitious project has established a global network for point prevalence surveys. Currently, the Global-PPS is repeated yearly with the possibility to join at 3 different time periods.

METHODS

- Any hospital admitting adults, children and/or neonates is welcome to participate!
- Participants are asked to conduct a **“one-day” cross-sectional PPS** within a predefined period of 4 months.
- Each ward within the hospital needs to be surveyed only once within this period. Bigger hospitals who have previously participated in the Global-PPS are able to participate with a sub-sample of the hospital whereby only a set of certain ward types are covered (e.g. all ICUs, all surgical or all paediatric wards).
- Detailed information is collected for hospitalized patients receiving at least one 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 from:

- **An efficient and friendly helpdesk**
- **A dedicated website** 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?

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

Then, hospitals can, at any time, extract their own raw data in an Excel file, and analyze them for their own purposes. Finally, we support and encourage collaborations between hospitals and networks.

“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 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

Over 800 institutions from more than 80 different countries worldwide effectively participated at least once in the Global-PPS.

The database includes >300,000 patients allowing benchmarking of hospitals from similar settings (hospital types or departments), same country, region and time periods.

