

SHARING
GLOBAL KNOWLEDGE



SUPPORTING
LOCAL ACTIONS

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



www.global-pps.com

OUR PROJECT

The standardized Global Point Prevalence Survey of Antimicrobial Consumption and Resistance (Global-PPS) offers an **easy, freely available web-based tool to assess, compare and monitor antimicrobial prescribing, healthcare-associated infection (HAI) and antimicrobial resistance** in adults, children and neonates (both inpatients and outpatients).

Since 2015, this ambitious project has established a **global network** for point prevalence surveys.

MAIN AIMS OF THE GLOBAL-PPS:

- **Identify the burden:** provide survey performance indicators and identify targets for quality improvement of antimicrobial prescribing.
- **Change practice:** support the design of stewardship 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.

HOW DOES IT WORK?

Depending on the kind of ward you want to assess, you can choose between:

INPATIENT MODULE:

- Any healthcare facility 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.
- Detailed information is collected for admitted patients receiving at least one antimicrobial agent at 8:00 am on the day of the survey.
- Data are collected on paper forms. Through the **Global-PPS web-based** application for data entry, validation and re-orting, hospitals create and maintain their own databases.

OUTPATIENT MODULE:

- Any healthcare facility seeing outpatients is welcome to participate.
- Participants are asked to conduct a **cross-sectional period PPS**.
- Key information is collected for all outpatients, more detailed information is collected for outpatients receiving at least one antimicrobial.

OUTPATIENT MODULE

As of 2023, Global-PPS also enables data collection on **antimicrobial use in the outpatient setting**. This outpatient module is designed for use in hospital emergency, outpatient and day surgery departments of hospitals, as well as outpatient clinics, and primary or community healthcare centers. This methodology is fully integrated into the existing Global-PPS application to facilitate web-based data entry, validation and reporting.

HOW WE PROVIDE FEEDBACK

A strength of the Global-PPS is that, after data entry and validation, the healthcare facility is able to **download a real-time one-point feedback report**. On the other hand, **the real-time interactive dashboard** provides customized feedback. Feedback reports can be used for local communications and presentations.

Healthcare facilities can, at any time, extract their own raw data in an Excel file, enriched with drug classification and additional categorized variables for easy data verification and analysis.

Finally, we support and encourage collaborations between healthcare facilities and networks.

HOW WE SUPPORT YOU

Every participant can benefit from:

- An efficient and friendly **helpdesk & regular training webinars** to guide you through the data entry and analysis processes.
- **A dedicated website** which provides all working documents, shared communications and publications, announcements, an extensive FAQ section etc.
- **A network of sites** ready to share experiences.

USING DATA FOR ANTIMICROBIAL STEWARDSHIP

Global-PPS provides a standardized method for monitoring antimicrobial prescribing, helping healthcare facilities strengthen sustainable antimicrobial stewardship (AMS). In partnership with **Radboudumc**, the **drive-AMS** initiative, funded by the EU4H Programme, continues to combine Global-PPS measurement and feedback with Radboudumc’s expertise in **training professionals to implement effective and sustained AMS programmes**.

Launched in Greece, Lithuania, Portugal, and Romania, drive-AMS has since expanded to the Caribbean, Cyprus, Indonesia, and several African countries such as Kenya and Rwanda, demonstrating how Global-PPS data can drive stewardship improvements worldwide.

BENEFITS FOR HEALTHCARE FACILITIES & PATIENTS

The Global-PPS:

- **Provides a standardized method and easy tool for assessing antimicrobial prescribing** which has proven to be applicable in a broad range of healthcare 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 healthcare-associated infections (HAI)** and related antimicrobial prescribing.
- **Helps identify potential risk factors for HAI.**

WHEN TO USE GLOBAL-PPS

The Global-PPS is a flexible and user-friendly tool designed to fit seamlessly into the routine activities of healthcare facilities. It respects the operational autonomy of participating facilities as they can organize and conduct the survey at the time that best suits their local planning, staffing, and priorities.

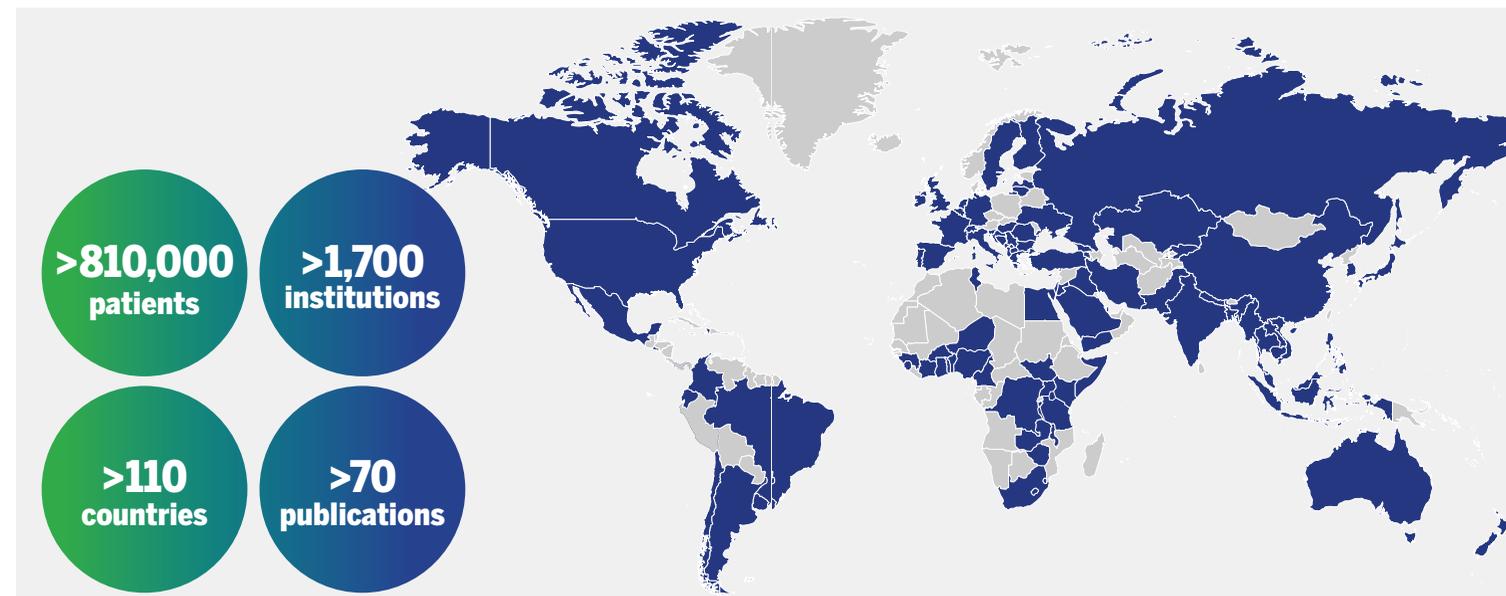
Three official survey windows are available each year (January–April, May–August, and September–December), and facilities may choose to participate in one or more of these periods.

LAST BUT NOT LEAST...

Data are entered online completely anonymously. **The data remain the property of the facility**. The data privacy excerpt is available on request. Participation of healthcare facilities and all fieldwork at the facility level is done on a voluntary basis.

The Global-PPS team aims to facilitate regional or country-specific analysis led by a local, national or regional coordinator.

A publication policy is available on the **global-pps.com website**.



bioMérieux is the sole industrial partner of the Global-PPS. The company has no role in study design, data collection, data analysis and data interpretation. Data are strictly confidential and stored anonymously at the coordinating center of the University of Antwerp.



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