

Ontario Antimicrobial Stewardship Program Comparison Tool: Survey Methodology

In 2016, Public Health Ontario (PHO) conducted a voluntary online survey of hospitals in Ontario to understand how the landscape of antimicrobial stewardship programs (ASP) has evolved since 2013 when antimicrobial stewardship became an Accreditation Canada Required Organizational Practice for facilities providing inpatient acute care, inpatient cancer, inpatient rehabilitation and complex continuing care services.

Hospital corporations that responded to the survey were able to authorize the sharing of their information on the PHO website for the purpose of providing corporations a means to share information regarding their antimicrobial stewardship activities and insights into how ASPs are advancing in peer hospitals. These data are summarized in the Ontario Antimicrobial Stewardship Program Comparison Tool. When interpreting data from Ontario ASP Comparison Tool, please note the caveats described in the subsequent sections.

DATA SOURCE

All data with the exception of hospital type and LHIN are self-reported. Data is generally reported at a hospital corporation level unless site-specific responses were provided. All information is provided on an “as-is” basis. PHO cannot and does not warrant or represent that the information is accurate, complete, reliable or current.

GENERAL / STANDARD NOTES

ASP Comparison

1. There are 6 data tabs:
 - a. Program Structure – this table compares structural elements of ASPs and provides contact information
 - b. Clinical – this table compares the implementation status of clinical strategies* at each hospital/corporation.
 - c. Prescribing Guidance – this table compares the implementation status of prescribing guidance strategies* at each hospital/corporation.

- d. Microbiology – this table compares the implementation status of microbiology-related strategies* at each hospital/corporation.
- e. Formulary - this table compares the implementation of formulary-related strategies* at each hospital/corporation.
- f. Structural/Process - this table compares the implementation of structural/process strategies* at each hospital/corporation.

*definitions and details about each of the 32 strategies are available on [the PHO Antimicrobial Stewardship Strategies webpage](#)

2. Results can be filtered by the following:
 - a. Hospital/Corporation name
 - b. Ontario Hospital Association (OHA) Hospital type (acute teaching, large community, small community, complex continuing care & rehabilitation)
 - c. LHIN
3. The comparison table can be sorted by clicking on any of the column headers. Clicking on the Hospital/Corporation name within the comparison table will open the Hospital/Corporation Profile.

Hospital/Corporation Profiles

4. The profile displays detailed information about an individual hospital/corporation's ASP.
5. Clicking on the individual ASP strategies will open the corresponding PHO Antimicrobial Stewardship Strategy document in a new window.

METRICS

Defined Daily Dose (DDD): is “the assumed average maintenance dose per day for a drug used for its main indication in adults” as specified by the [World Health Organization \(WHO\)](#). DDD are often standardized to 1000 patient days (DDD/1000 patient days) to allow comparison between hospitals or services of different sizes.

Days of Therapy (DOT): is the number of days that a patient receives an antimicrobial agent (regardless of dose). Any dose of an antibiotic that is received during a 24-hour period represents 1 DOT. The DOT for a given patient on multiple antibiotics will be the sum of DOT for each antibiotic that the patient is receiving. DOT is often standardized to 1000 patient days (DOT/1000 patient days) to allow comparison between hospitals or services of different sizes.

Length of Therapy (LOT): is the number of days that a patient receives systemic antimicrobial agents, irrespective of the number of different drugs. Therefore, LOT will be lower than or equal to DOT because each antibiotic received is its own DOT.

For more information on Metrics and Evaluation please refer to the [PHO ASP Resources and Tools webpage](#).

MISSING DATA

Only hospitals/corporations that volunteered to participate will have information displayed. Hospitals/corporations can withdraw at any time. Any hospitals/corporations that would like to participate can contact asp@oahpp.ca.

SUGGESTED CITATION

Generic Citation format:

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