

# 2017 Minnesota Clinic Survey of Antibiotic Stewardship Practices

## SUMMARY REPORT

### Methodology

During December 2016–March 2017, Minnesota Department of Health (MDH) surveyed Minnesota (MN) outpatient clinics to learn about clinic antibiotic stewardship (AS) practices. MDH objectives were to understand current clinic commitment to AS, learn about clinic AS activities, detect barriers to AS, and identify clinic AS resource and support needs.

Two sources were used to identify clinics for this survey. Clinics were identified from a 2014 MN Clinic Registry of MN clinics and were eligible if located in MN and listed as primary care or multispecialty clinics, or if internal medicine (IM), family medicine (FM), or pediatric medicine (PM) specialties were present. Also, individual clinicians were identified to receive the survey by using the Board of Medical Practice practitioner list and were eligible if they resided in MN, were in IM, FM, or PM specialties, and had an email address recorded. The first response for each clinic was used in analysis.

An online survey invitation was faxed to 200 clinics and emailed to 3,479 clinicians in MN. Completed surveys were analyzed from 116 unique clinics.

### Results

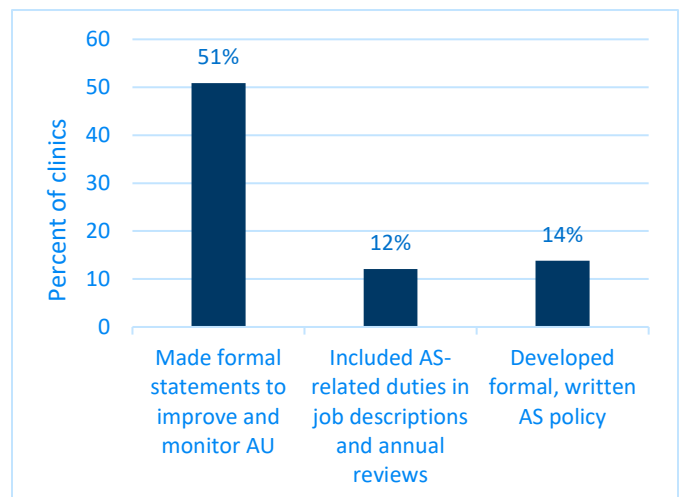
#### Description of Survey Respondents

**Table 1: Characteristics of Respondents**

	<i>n</i>	%
<b>Clinic Setting</b>		
Metropolitan	63	54
Urban	29	25
Rural/Critical Access	24	21
<b>Position of Respondent</b>		
Physician	94	81
Physician Assistant	7	6
Pharmacist	5	4
Nurse Practitioner	5	4
Other	5	4

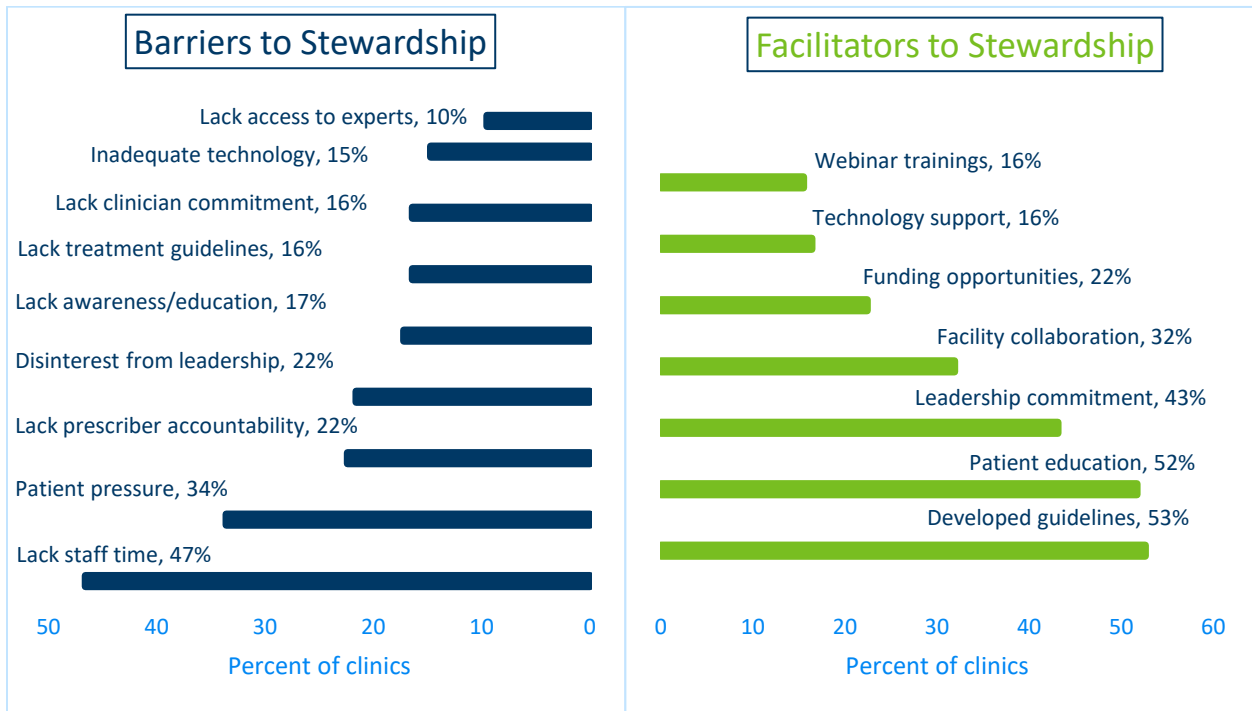
#### Commitment to Stewardship

**Figure 1: Respondents were asked about AS actions taken by facility leadership.**



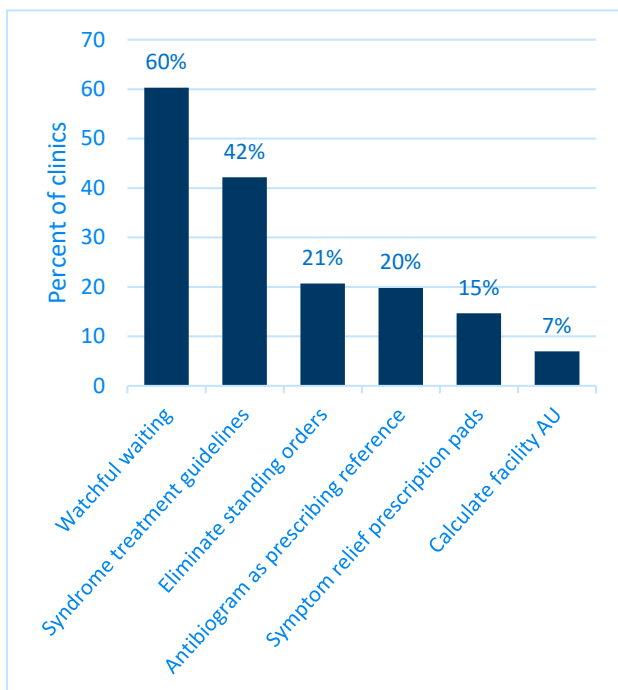
# Stewardship Barriers and Facilitators

**Figure 2: Respondents were asked about perceived barriers to AS in their clinics and asked what type of support they thought would facilitate AS activities.**



## Stewardship Actions

**Figure 3: Respondents were asked about clinic policies or actions to promote appropriate antibiotic prescribing.**



## Discussion and Next Steps

- Nearly half of clinics taking the survey have not made a formal commitment to AS or developed an AS policy.
- There is room for improvement in use of AS interventions, like watchful waiting, use of treatment guidelines, and providing patients with antibiotic alternatives.
- MDH is developing resources to support clinic AS, including patient information, facility commitment materials, tools for policy development and antibiotic use (AU) tracking, and clinical guidelines.
- If you are interested in working with MDH on developing resources or improving AS activities, please email [health.stewardship@state.mn.us](mailto:health.stewardship@state.mn.us).

3/2018

To obtain this information in a different format, call: 651-201-5414.