

IPC Needs Assessment Results

*Insights & Strategic Priorities from a
Comprehensive Needs Assessment*

Alisha Sheffield MSN, RN, CIC
Lauren Musil BSN, RN



PROJECT
FIRST LINE

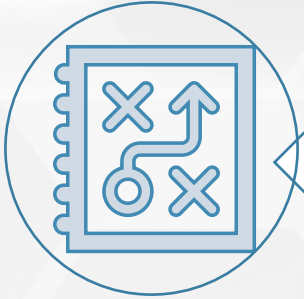


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Disclosure Declaration

- We have no financial disclosures or conflicts related to this presentation.
- This work has been grant funded through the Center for Disease Control and Prevention in support of Project Firstline.
- The views and opinions expressed during this webinar are those of the presenters and do not necessarily reflect those of the University of Nebraska Medical Center, The Nebraska Medical Center or the Centers for Disease Control and Prevention.

Objectives



Assess needs and challenges of Infection Prevention Programs and Infection Preventionists



Identify areas to inform infection prevention resources and support



Encourage collaboration throughout infection prevention practice in healthcare and public health

Background & Purpose

Pandemic Impact:

- COVID-19 highlighted critical IPC roles and existing gaps
- Demonstrated key challenges faced by IPs and programs

Goal:

- Gain insight into the strengths, concerns, and needs of Infection Preventionists

Results intended to:

- Identify gap & priorities
- Inform resource development
- Facilitate collaboration
- Align Improvement Efforts
- IPC Advocacy

Methods

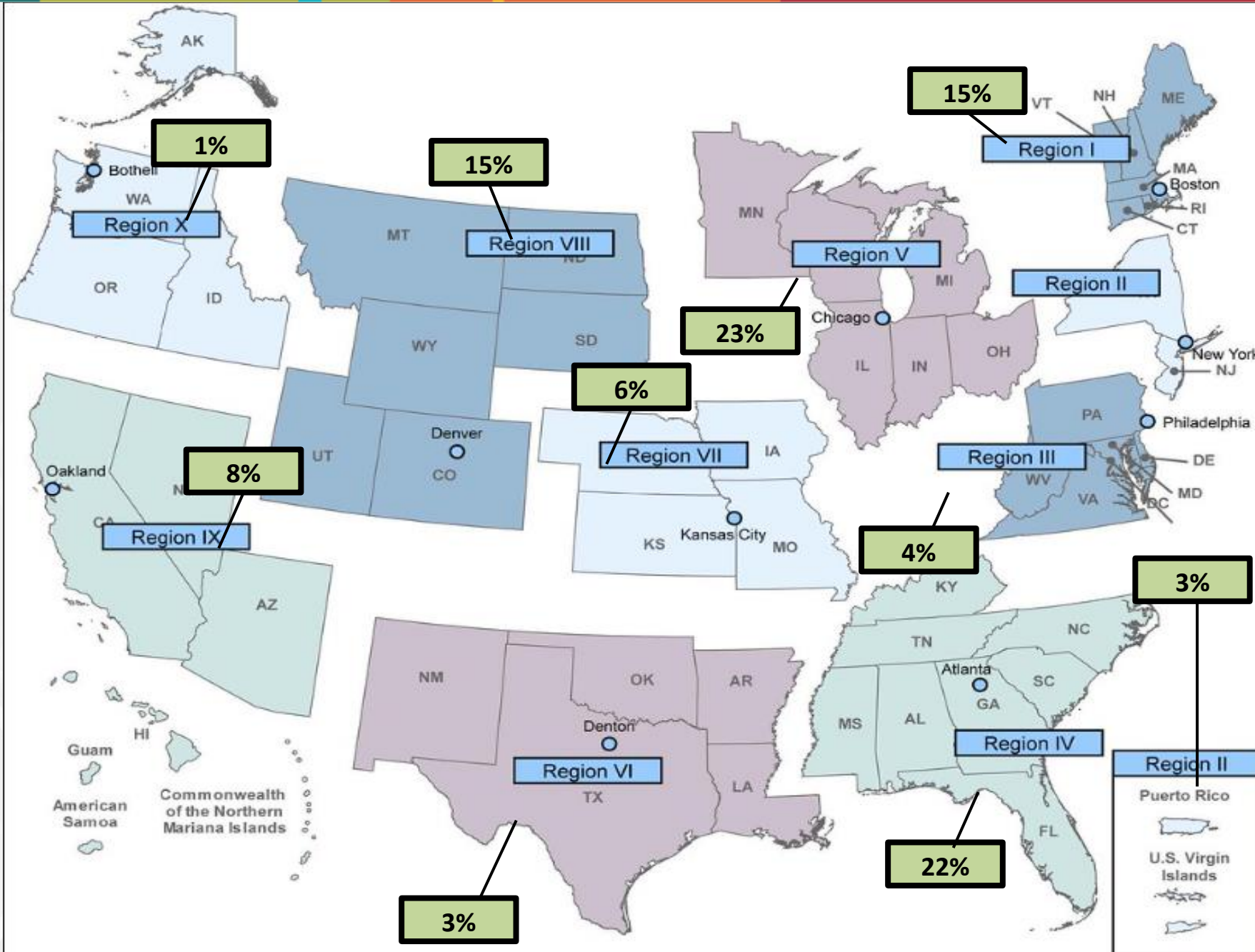
Infection Preventionist

- Collected June - August 2023
- HAI/AR Programs, APIC chapters, webinars, conferences
- 309 completed
- 267 IPs, 42 other roles related to IPC

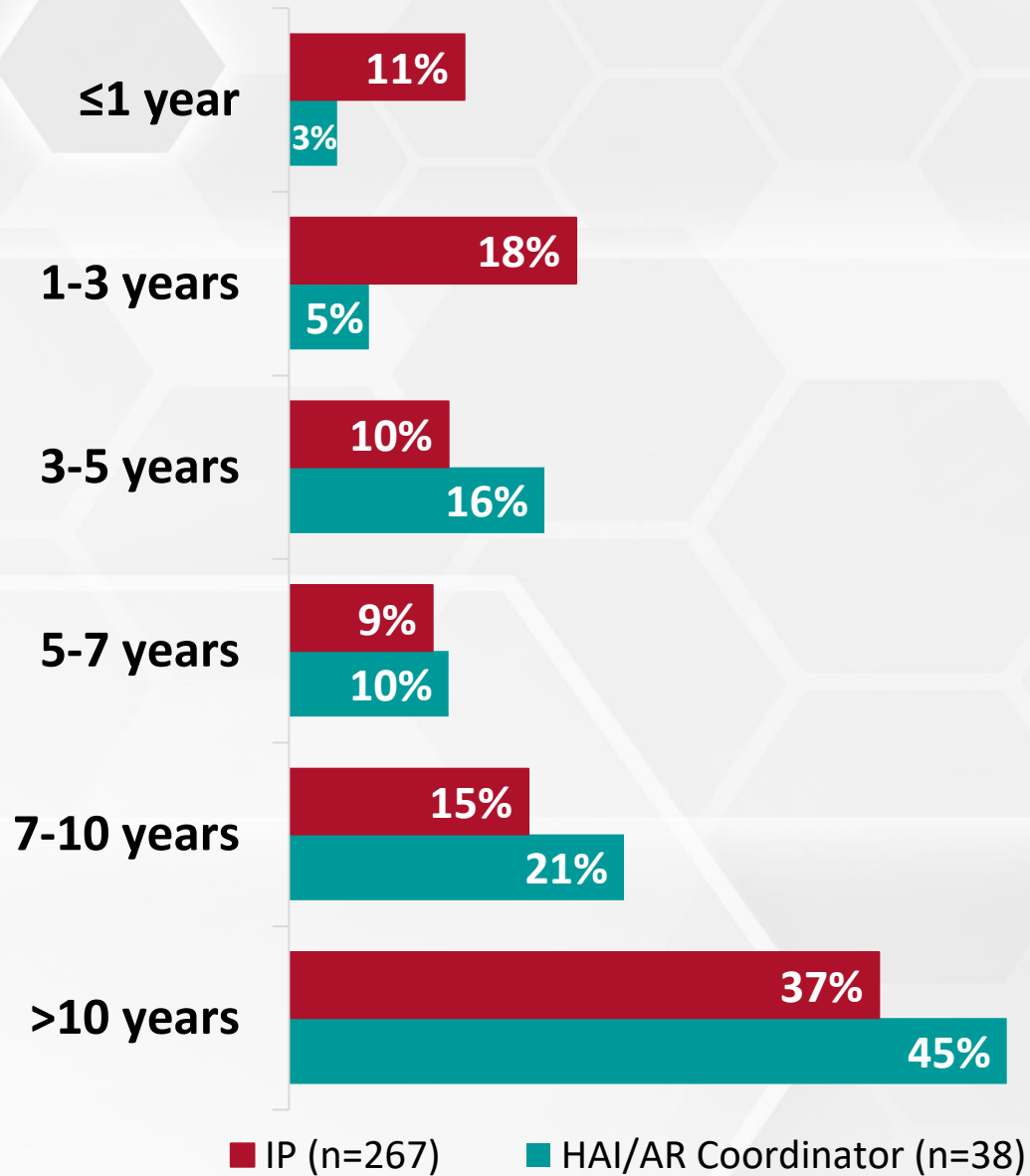
HAI/AR Program Coordinator

- Collected May – July 2023
- Individual survey links emailed directly to HAI/AR Coordinators
- 113 unique emails sent out
 - 38 completed
 - 34% response rate

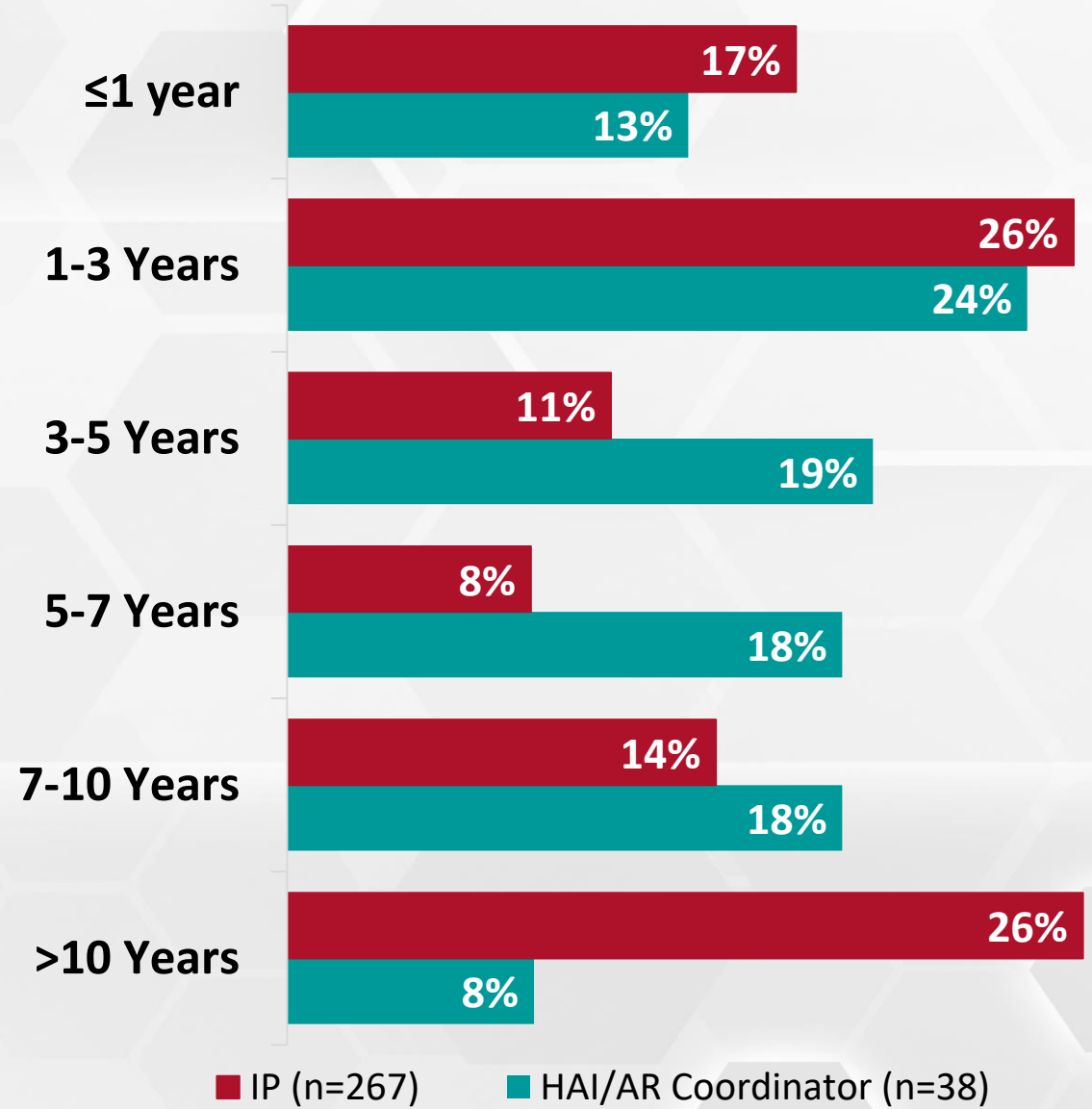
IP Needs Assessment completion by region



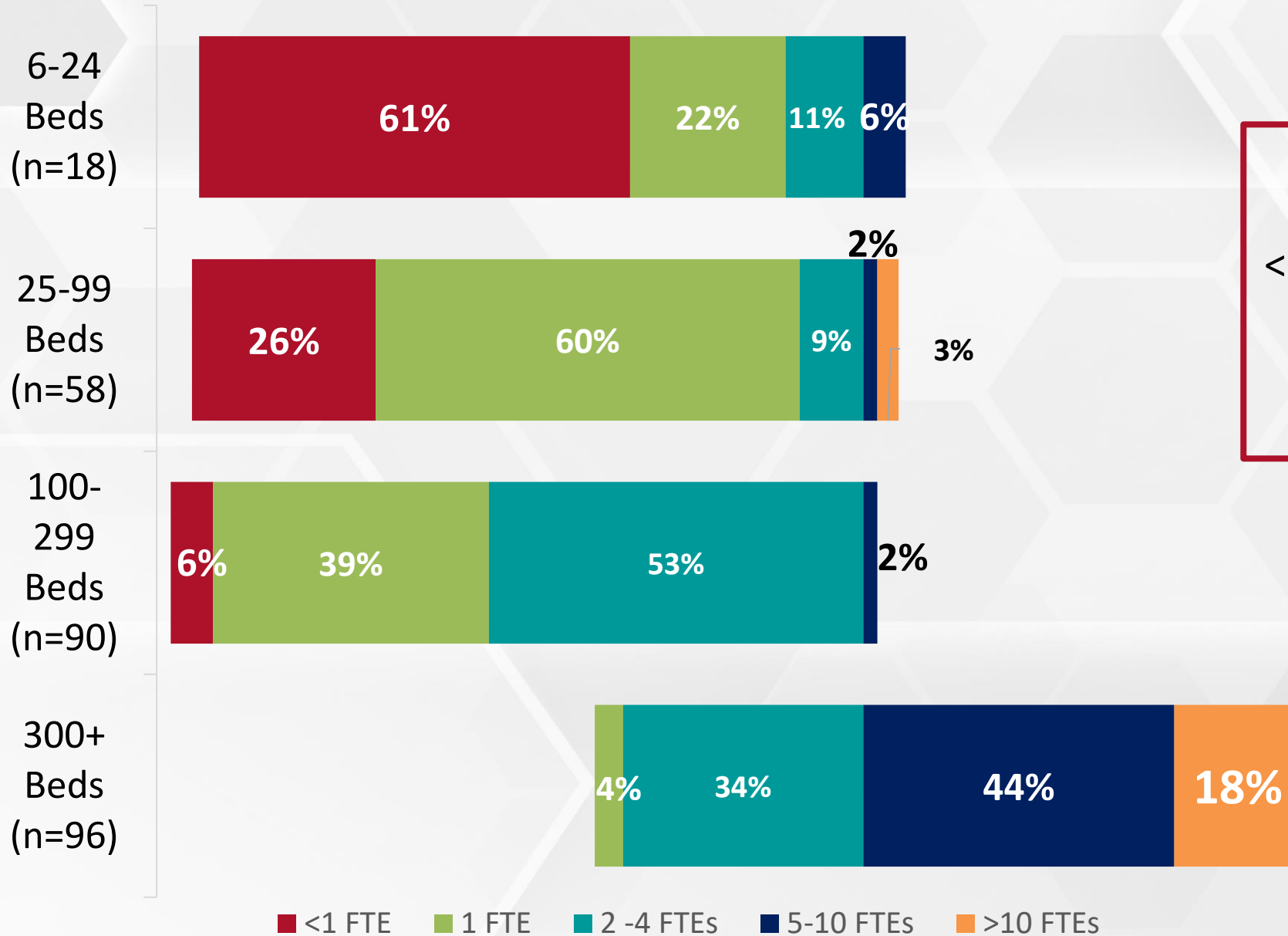
Years of Experience



Time in Current Role

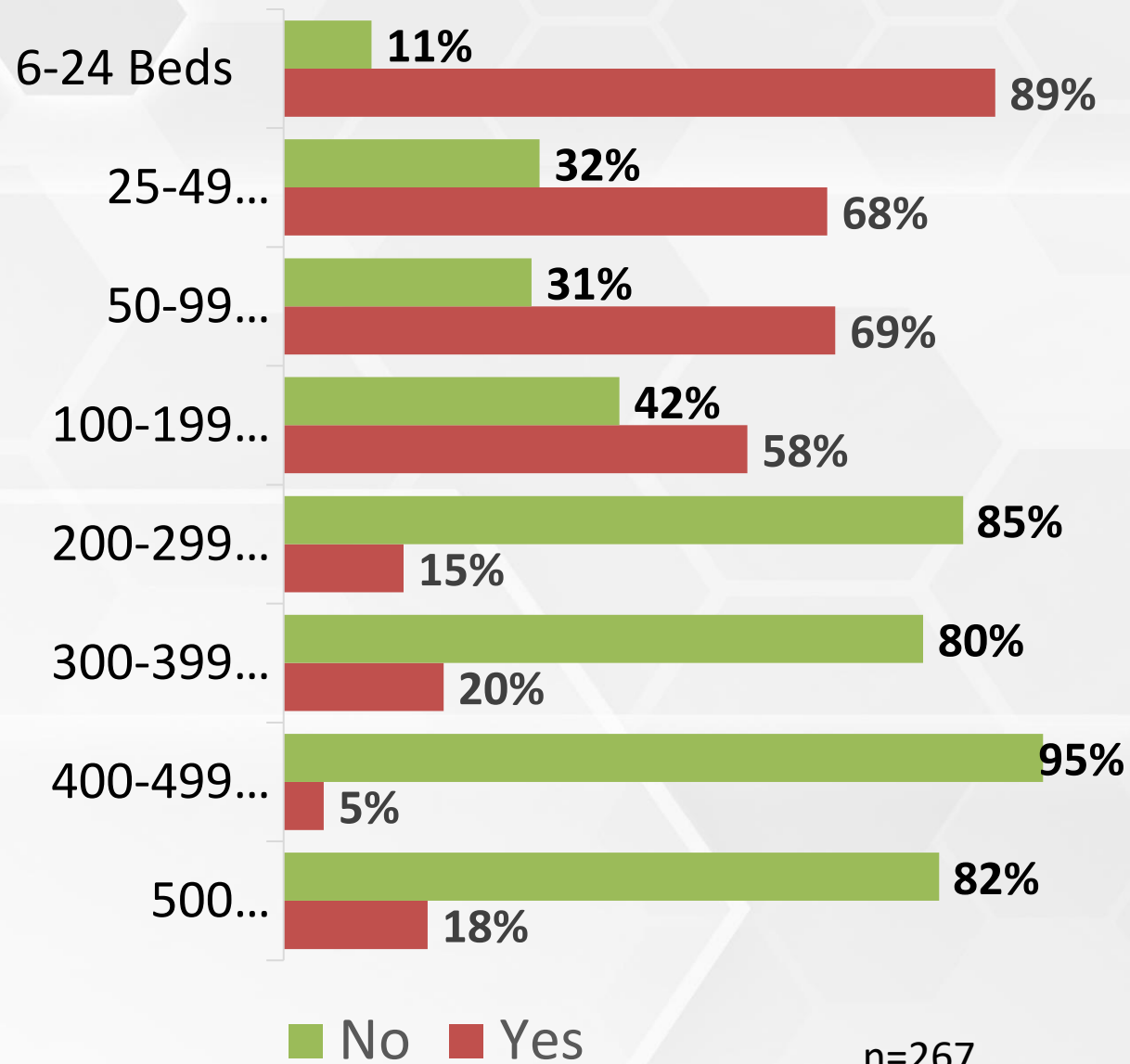


FTEs Dedicated to IPC Program x Facility Size



73% of IP programs with <1 FTE (n=33) dedicate **25 hours or less** to their facility's IPC program.

Serve Multiple Roles in Addition to IP x Facility Size



41% of IPs surveyed reported serving in multiple roles.
(n=108)

Job Stress & Satisfaction

84%

Serving multiple roles contributes to their job stress

52%

Considered leaving their position due to role strain from serving multiple roles

60%

Serving multiple roles contributes to their job satisfaction

39%

Actively looked for other career opportunity due to role strain from serving multiple roles

Infection Preventionist Turnover

100% of HAI/AR
Coordinators are
concerned about IP
turnover

50% IPs considering
leaving their
current position
within the next 12-
months

88% reported that
IP turnover is high
in their
state/territory

Results

Relationships

IPC Concerns

**Training &
Education
Needs**

**Resource
Needs**



Relationships



Relationships: Support & Engagement

Hospital Leadership and IP Programs: HAI/AR Coordinator Insights

- **Engagement:** 74% report active leadership engagement
- **Understanding:** 67% understand the role of IPC
- **Support:** 63% supportive of IP programs
- **Prioritization:** 59% view IPC practices as a priority

Hospital Leadership and IP Programs: IP Insights

- **Engagement:** 66% report active leadership engagement
- **Understanding:** 68% understand the role of IPC
- **Support:** 59% supportive of IP programs
- **Prioritization:** 59% view IPC practices as a priority

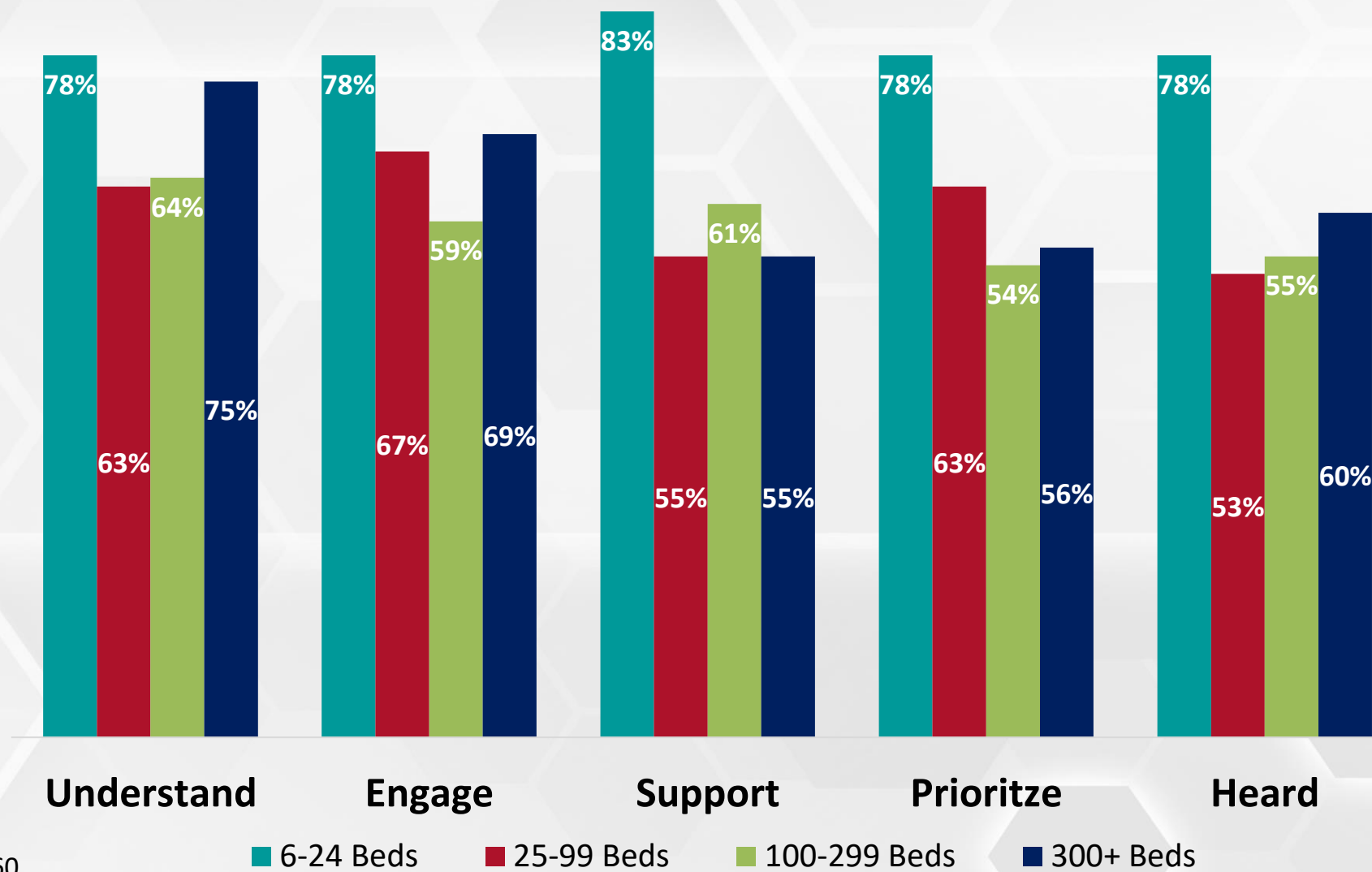
58% of IPs feel heard by hospital leadership when voicing concerns about the IPC program at their facility

Facility Leadership IPC Support & Engagement

X Facility Size

>50% of IPs across all facility sizes report positive relationships with their facility leadership.

>75% of IPs at small facilities report positive relationships with their facility leadership.



n=260

6-24 Beds 25-99 Beds 100-299 Beds 300+ Beds

Relationships: Collaboration & Communication

Collaboration & Communication: HAI/AR Coordinator Insights

- **Collaborative Relationships:** 100% report strong collaborations with IPs and hospitals
- **IPs Understanding of Contact Protocols:** 97% understand when to contact HAI/AR team
- **Hospital Leadership Understanding of Contact Protocols:** 83% supportive of IP programs

Collaboration & Communication: IP Insights

- **Collaborative Relationships:** 63% report strong collaborations with HAI/AR leaders
- **IPs Understanding of *When to Contact*:** 74% understand when to contact HAI/AR team
- **Understanding of *Who to Contact*:** 70% with questions or concerns

63% of IPs are aware of the work the HAI/AR program does to support IPC in their state/territory

Relationships Matter

Significant positive associations between IP job satisfaction and hospital leadership's :

- Support for job responsibilities and program goals
- Responsiveness to concerns voiced about IPC programs

Significant negative associations between IP role strain and job stress and hospital leadership's :

- Engagement with IP program
- Prioritization of IPC practices
- Support for job responsibilities and program goals
- Responsiveness to concerns voiced about IPC programs



HAI Concerns



What are your greatest IPC concerns?

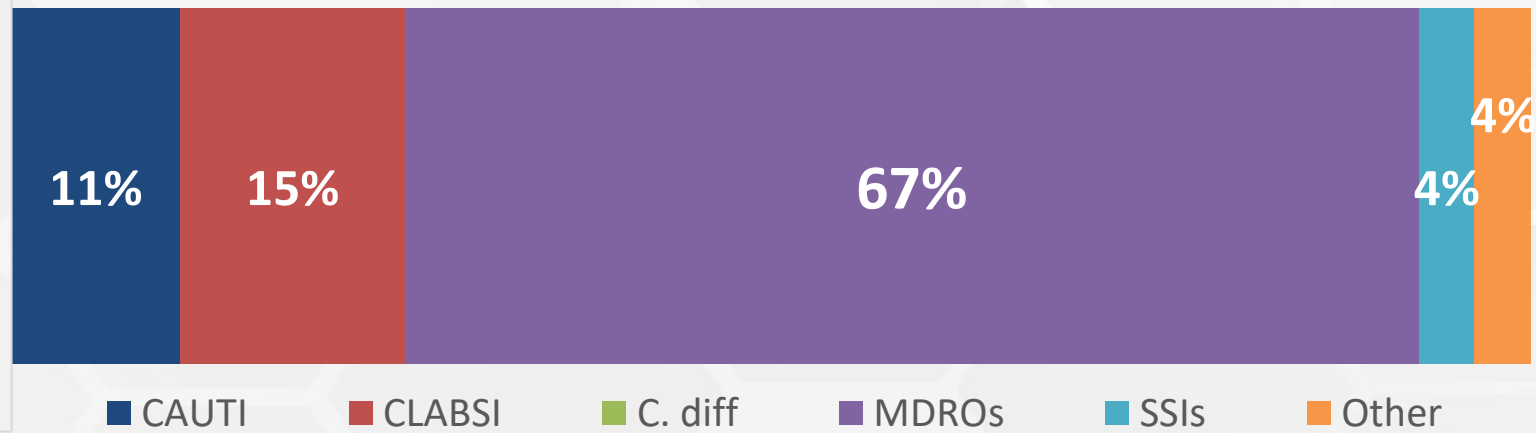
- 1st | MDROs
- 2nd | HAIs
- 3rd | Emerging & Re-emerging Infections
- 4th | IP Turnover/ Staffing
- 5th | Antimicrobial resistance
- 6th | Cleaning & Disinfection
- 7th | Quality Training
- 8th | Resources & Technology
- 9th | Other: Place into the chat



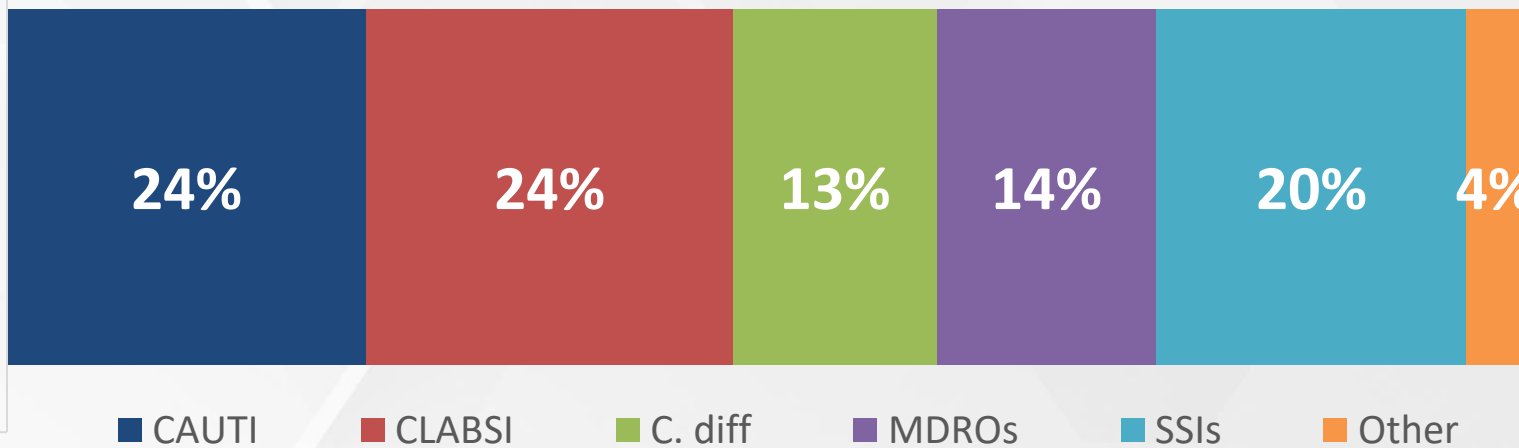
HAI Concerns

- 76% of HAI/AR Coordinators are moderately to extremely concerned about HAIs in their state territory
- 41% of IPs are moderately to extremely concerned about HAIs in their facility

HAI/AR Director
State/Territory
Concerns
(n=27)



IP Facility
Concerns
(n=216)

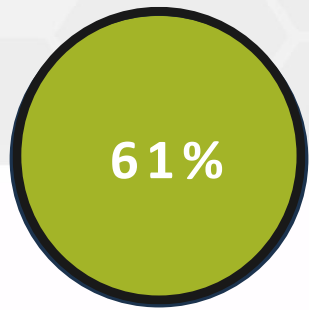




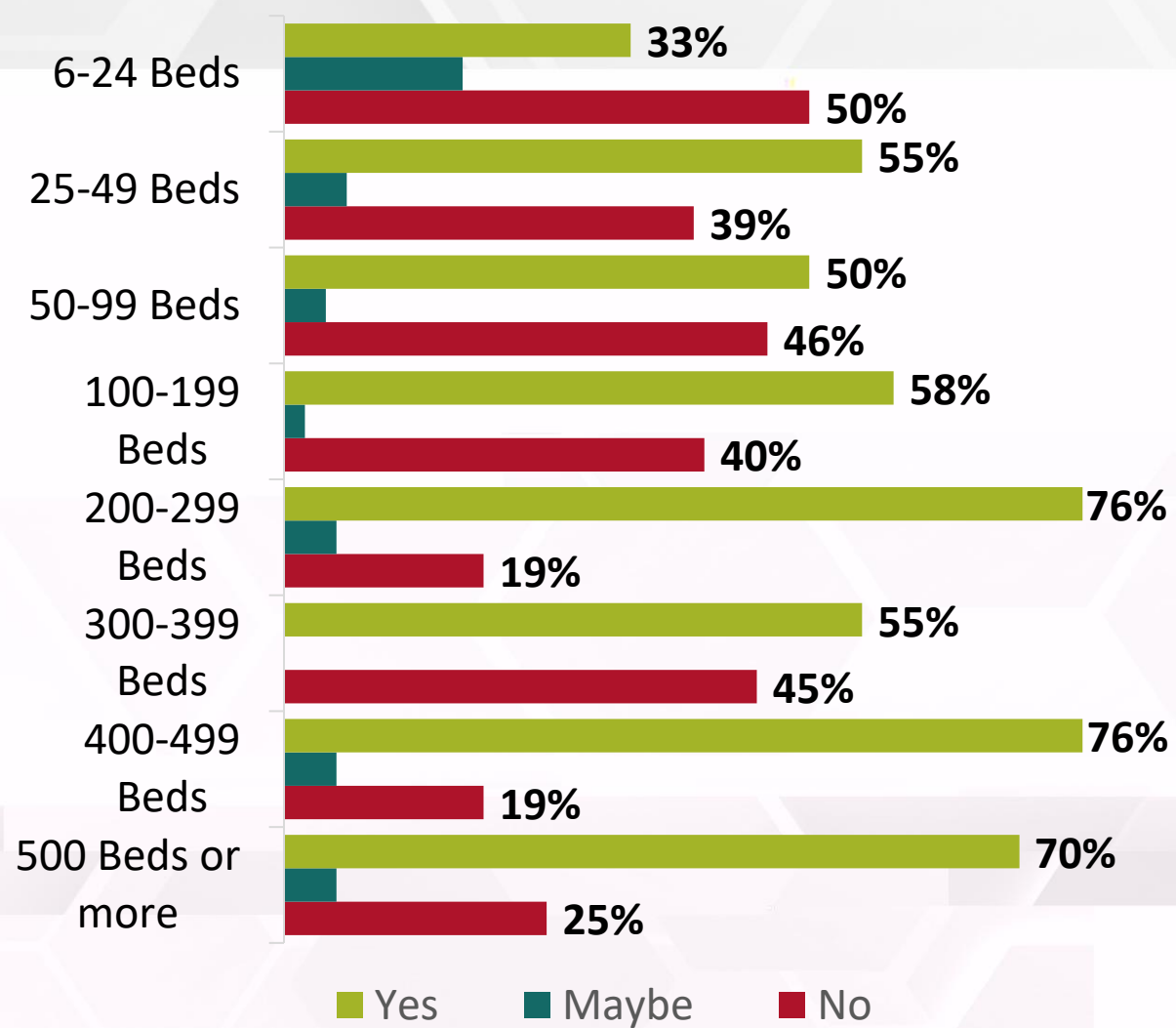
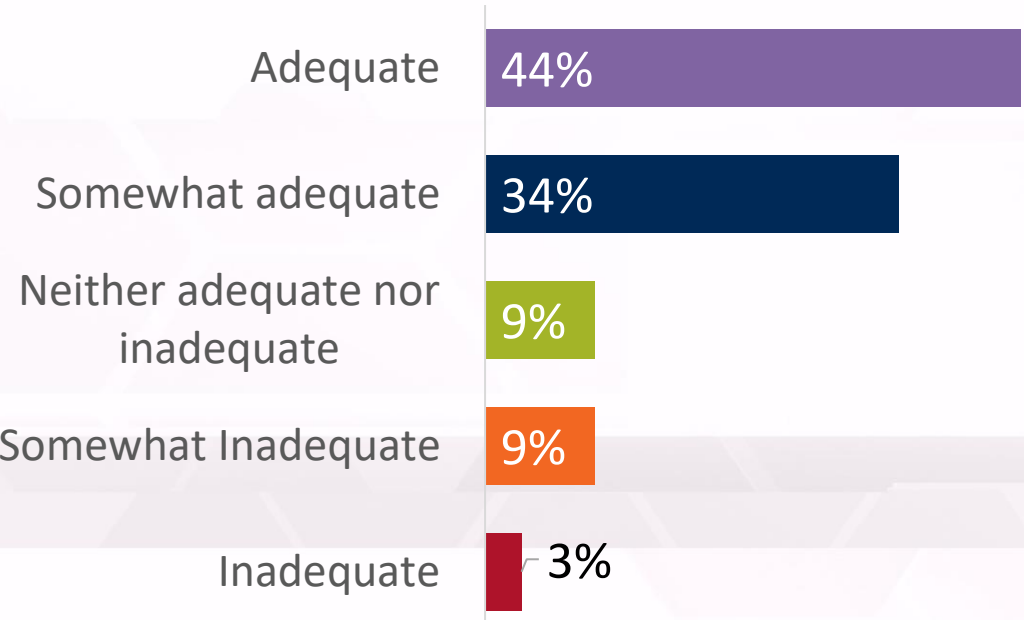
Training & Education Needs



IPC training received upon hire

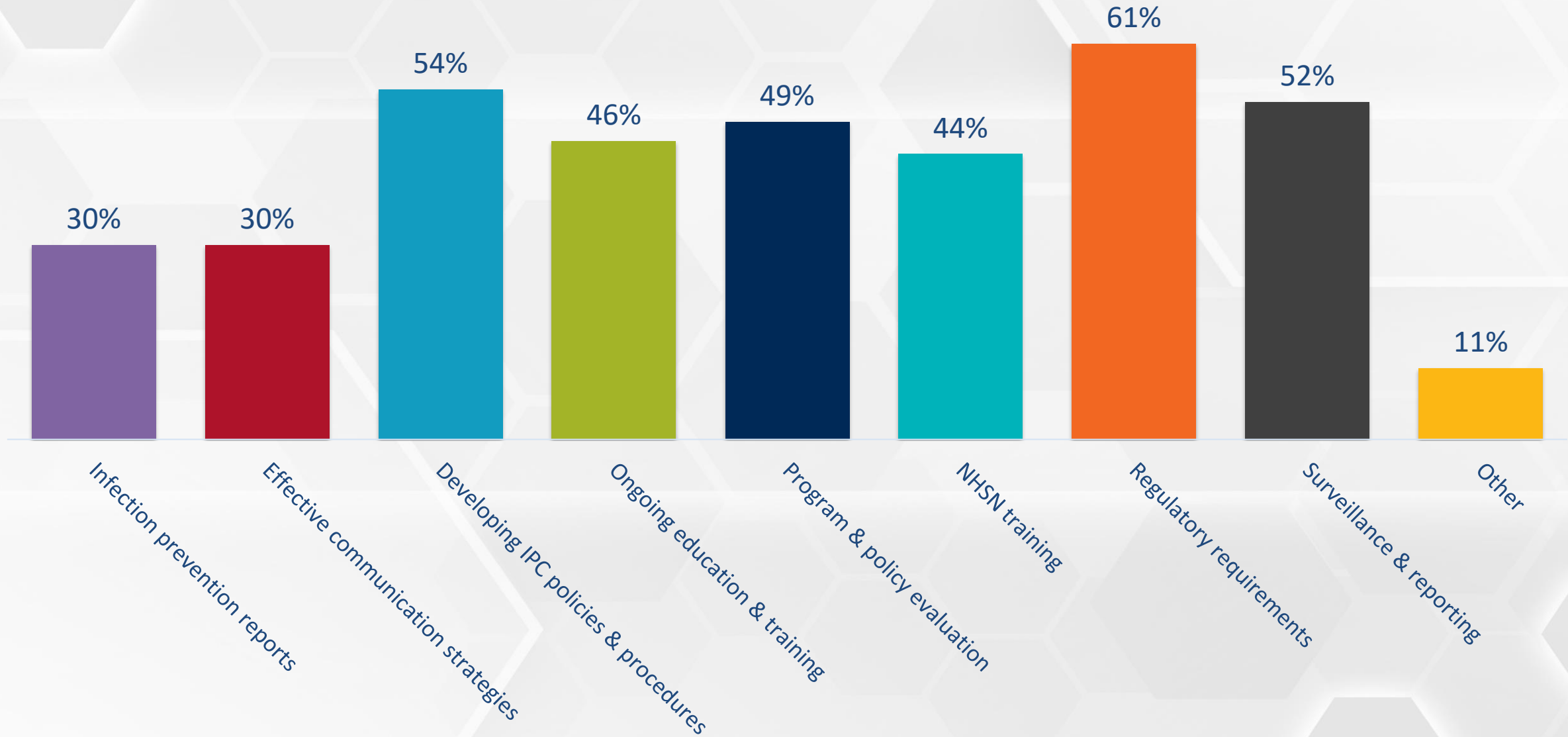


Received IPC specific orientation upon hire



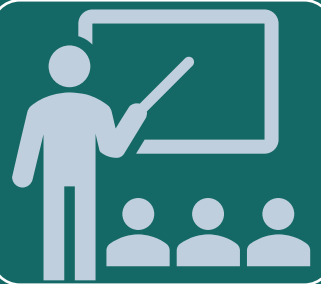
n=267

IPC training that would have been beneficial upon hire





61% of IPs indicated the training and professional development opportunities available to them at their facility are somewhat adequate to adequate.



57% of IPs are somewhat to extremely concerned about the availability of affordable, quality training and education



54% of IPs are somewhat to extremely concerned about having time to complete IPC training and education

89% of HAI/ AR Coordinators are worried about the availability of affordable, quality training and education for IPs

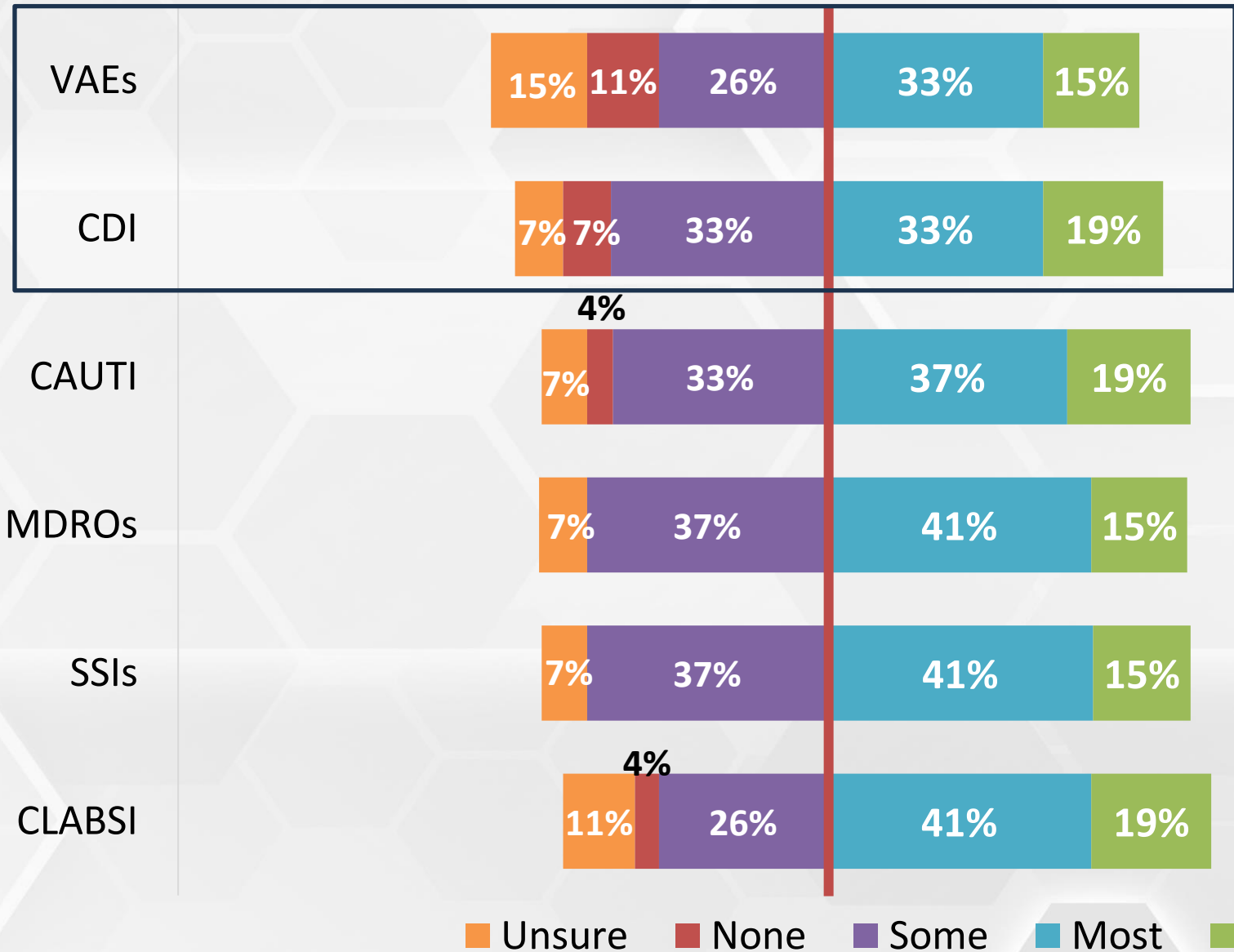


Resource Needs



HAI/AR Coordinator Reported: Do the IPs in your state/territory have the necessary resources to implement programs for the following HAIs:

Approximately **50-60%** of IPs were reported by HAI/AR Coordinators to have most or all the necessary resources to implement programs for the listed HAIs in their area



n=27

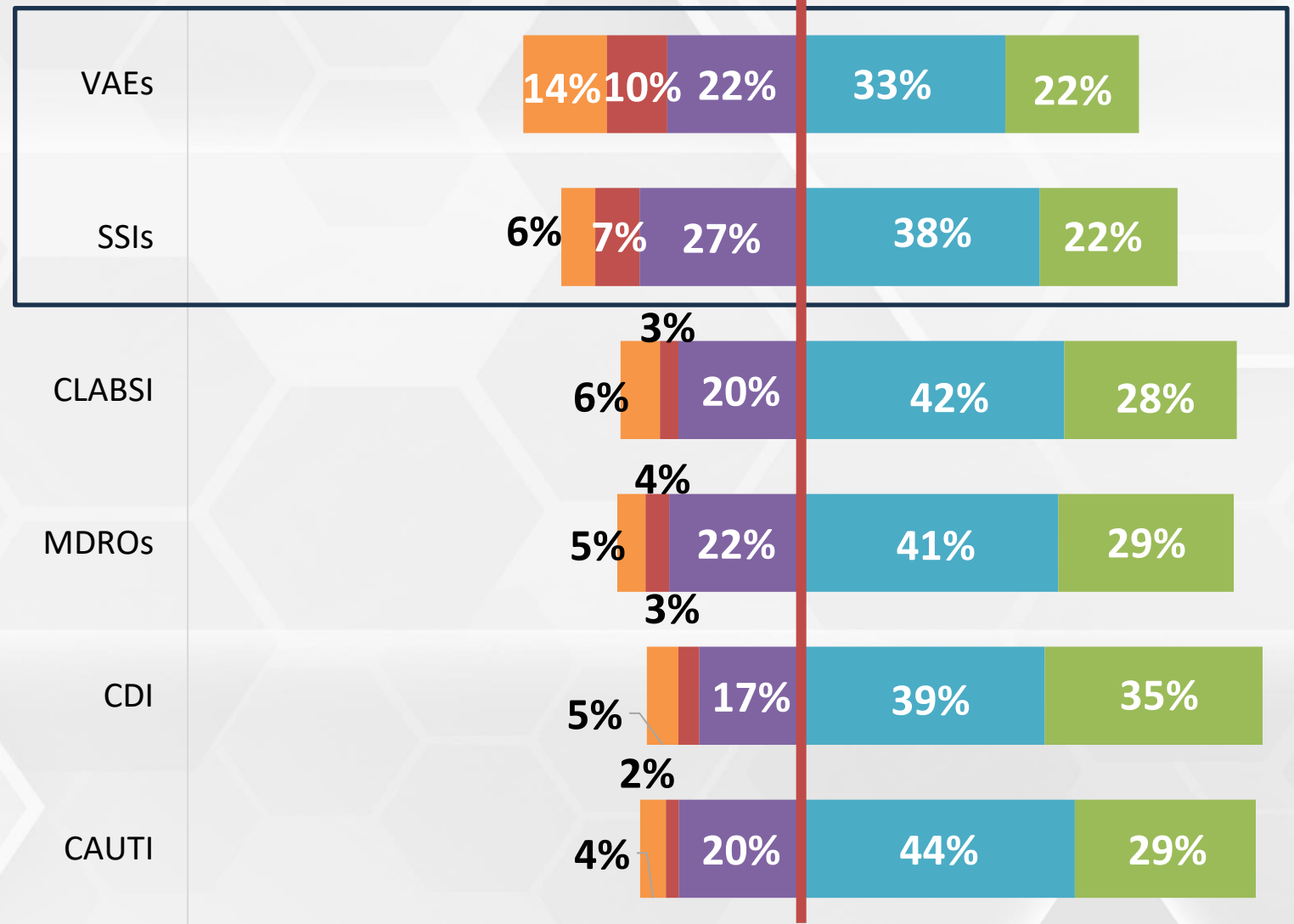
■ Unsure
 ■ None
 ■ Some
 ■ Most
 ■ All

IP Reported: Do you have the necessary resources to implement programs for the following HAIs in your facility:

- Majority of IPs reported they have most or all the necessary resources to implement programs for the listed HAIs in their facilities.

- VAEs and SSIs were reported as the HAIs most lacking in necessary resources

- Note:** Some facilities may not have ventilators which may contribute to reporting VAE resource lack



n=267

Unsure None Some Most All

Top 5 Resource Needs

HAI/AR Coordinator

- Environmental Rounding

Common

- Selection & Purchasing
- Water Management
- Construction Mitigation
- Non-critical Device Reprocessing

IP

- Sterilization

Top 5 Technology Needs

HAI/AR Coordinator

- Antimicrobial Stewardship
- Competency-Based Training Programs

Common

- Construction Air Quality Monitoring
- HVAC System Monitoring & Verification
- Vendor Vaccination Tracking & Documentation

IPs

- Employee Health
- Staff Vaccination Tracking & Documentation

Key Takeaways & Conclusions

- IPs desire more comprehensive onboarding and training
- Time constraints and training affordability are top concerns
- HAI/AR Coordinators and IPs differ in their concerns about facility HAI issues
- Positive relationships with facility leadership impacts job satisfaction



Our Team's Efforts



Next Steps & Future Directions

- **Enhanced Communication & Collaboration:**
 - Goal: Strengthen network among IPs, healthcare administrators, public health officials, and professional organizations
- **Data Monitoring & Evaluation:**
 - Goal: Ensure the effectiveness of IPC interventions and address evolving needs of IPs
- **Research and Innovation in IPC:**
 - Goal: Drive advancement in IPC field through innovative research and solutions.



Questions

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- Local APIC Chapters
- IPs in the field



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