

CISA | CYBERSECURITY AND INFRASTRUCTURE SECURITY AGENCY

SAFECOM Nationwide Survey

National-Level Results Summary



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Methodology

- The 2023 iteration of the SAFECOM Nationwide Survey utilized a **census study design**. Every organization in the targeted public safety disciplines across each level of government was invited to participate.
- Responses were requested at the **organizational level**.
- The target population for the 2023 iteration of the SNS included organizations with an operational role in emergency communications from the following disciplines:
 - **Emergency Management**
 - **Emergency Medical Services**
 - **Law Enforcement**
 - **Fire and Rescue**
 - **Emergency Communication Centers (ECCs)/
Public Safety Answering Points (PSAPs)**



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Contents and Caveats

- This resource contains post-processed data descriptions and visualizations of survey results from **local organizations** (county and municipal).
- The emergency communications ecosystem across the United States is diverse and complex. **Survey findings characterize trends across this ecosystem** and should not be interpreted to describe any specific organization or subset of organizations unless explicitly noted in data descriptions.
- To protect the privacy of our respondents, **all results are provided in aggregate.**
- Quantitative findings are subject to minor variations over time, caused by refinement and enhancement of datasets and methods.
- For guidance on interpreting survey results, assistance accessing additional SNS data products, or to report a problem with this file, **please contact the SAFECOM Nationwide Survey Team at sns@cisa.dhs.gov.**



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DEMOGRAPHICS



Level of Government

Local public safety organizations characterize their agency's level of government. Values are proportions of all respondents.

SHARE OF RESPONSES:

92% Local

4% State/Territorial

1% Tribal

2% Federal

ALL PUBLIC SAFETY:

96% Local

2% State/Territorial

1% Tribal

2% Federal



Organization and Jurisdiction Size

92%

of public safety organizations are local agencies with **municipal or county jurisdictions**

69%

of local organizations have **fewer than 50 personnel**

62%

of local organizations serve small communities with populations of **25,000 or less**



Public Safety Discipline

Local public safety organizations identify their public safety discipline. Values are proportions of all respondents. Totals sum to more than 100% due to many organizations providing services in multiple disciplines.



44%
Fire and
Rescue



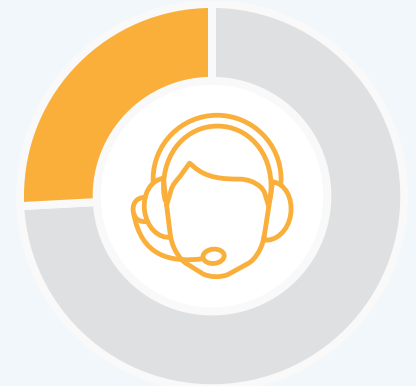
36%
Law
Enforcement



33%
Emergency
Medical
Services



26%
Emergency
Management



26%
ECC/PSAP



GOVERNANCE



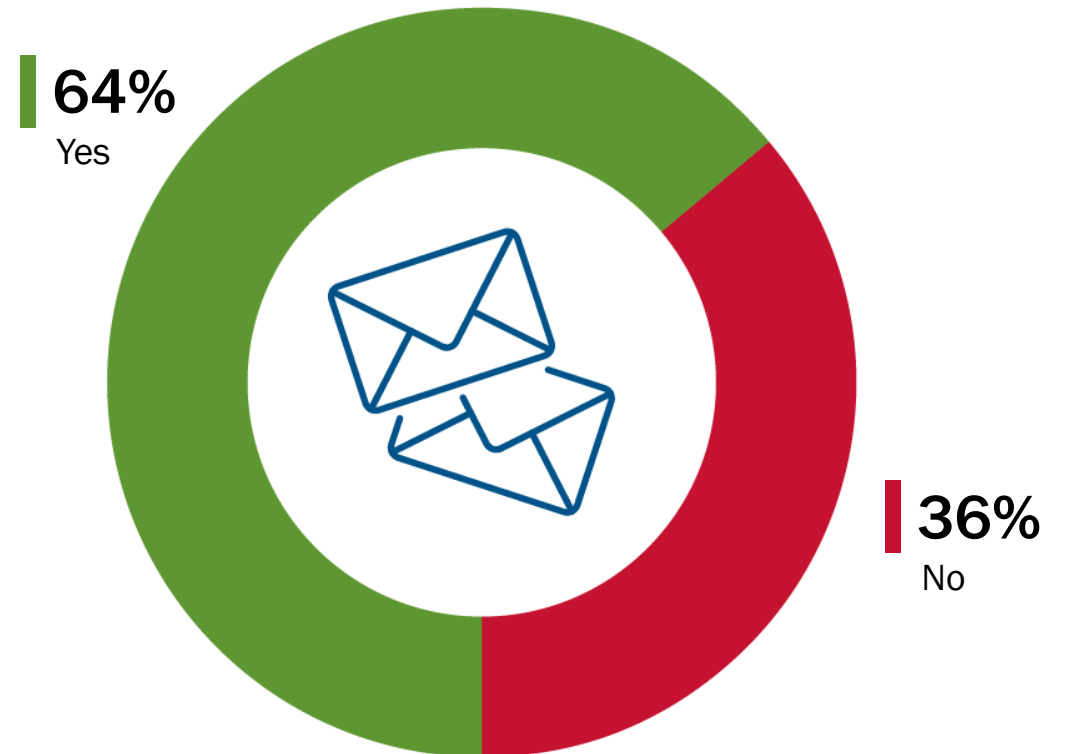
Inclusive Governance

Local public safety organizations indicate whether their formal decision-making groups invite participants beyond first responders. Values are proportions of all local respondents.

WHY IT MATTERS: Inclusive governance structures ensure that emergency communications resource allocations and initiative prioritizations are informed by the needs and capabilities of emergency response providers, mutual aid partners, and other government and non-governmental organizations that provide specialized equipment and personnel to response operations.

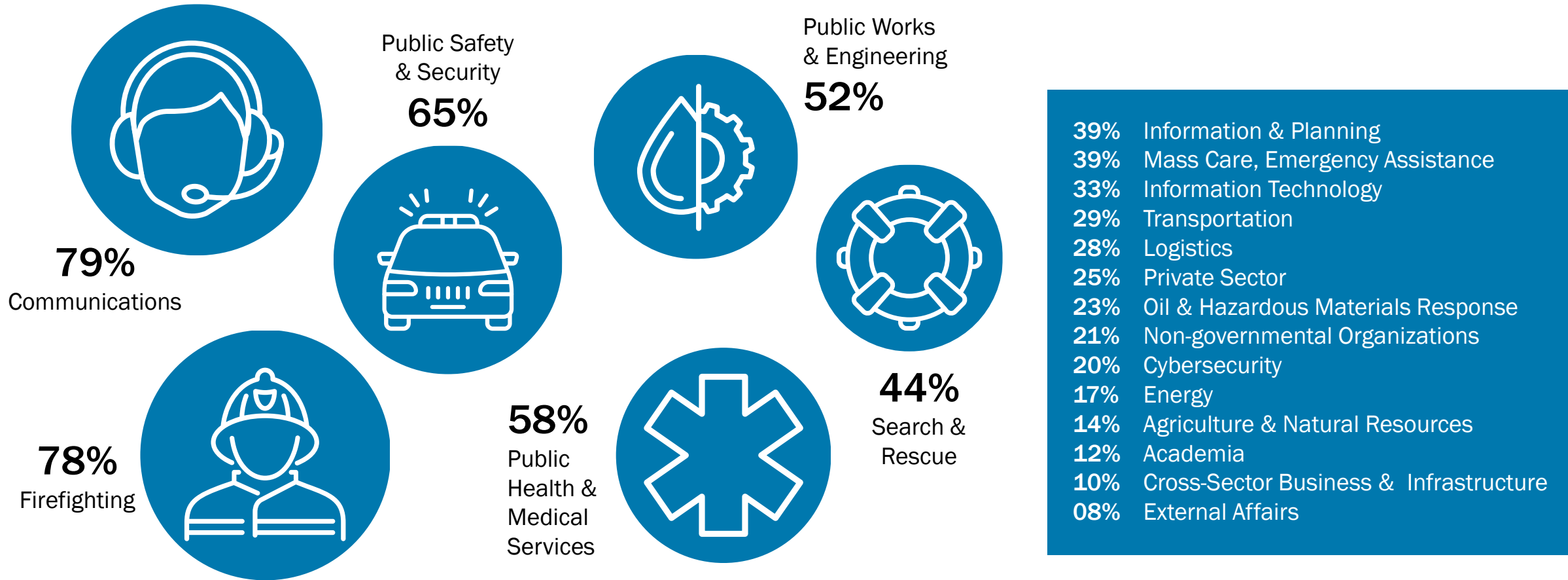


Do your organization's formal decision-making groups invite participants beyond first responders?



Decision-Making Groups

Local public safety organizations describe the participants their formal groups include. Values are proportions of local respondents with inclusive groups.



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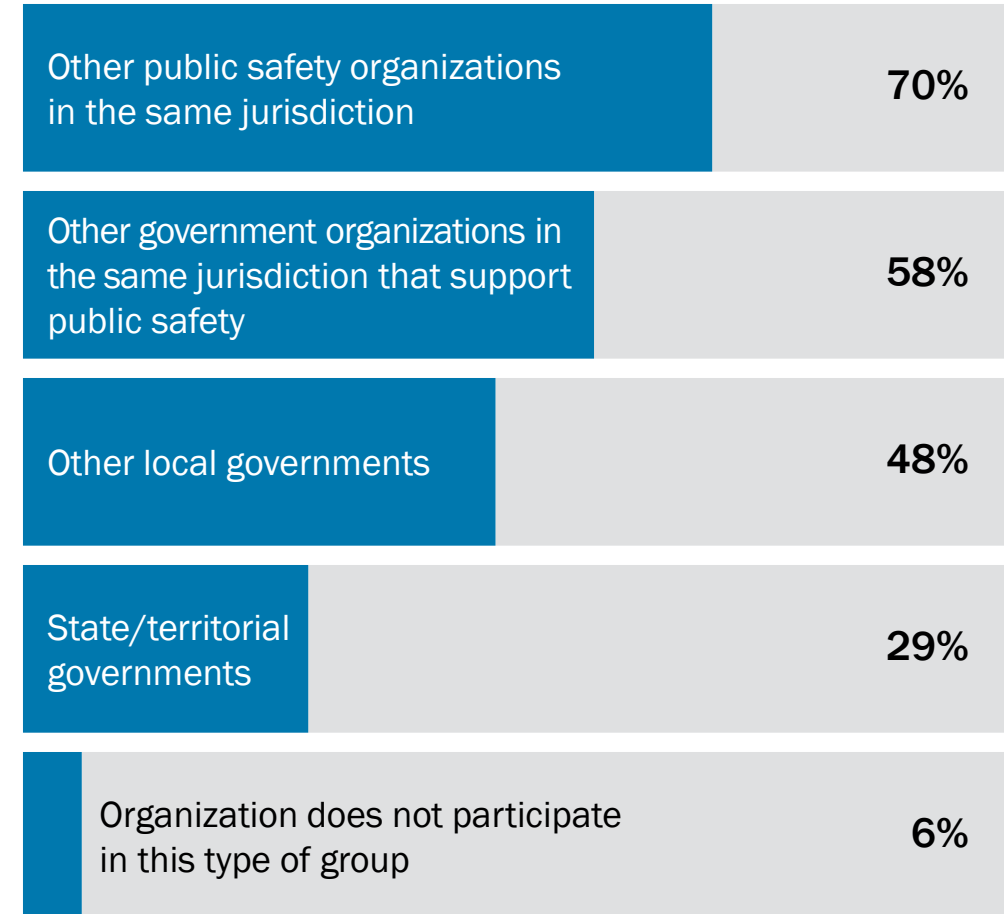
Decision-Making Groups

Local public safety organizations describe the membership of the formal decision-making groups in which their organizations participate. Values are proportions of all local respondents.

WHY IT MATTERS: Inclusive governance structures ensure that emergency communications resource allocations and initiative prioritizations are informed by the needs and capabilities of emergency response providers, mutual aid partners, and other government and non-governmental organizations that provide specialized equipment and personnel to response operations.



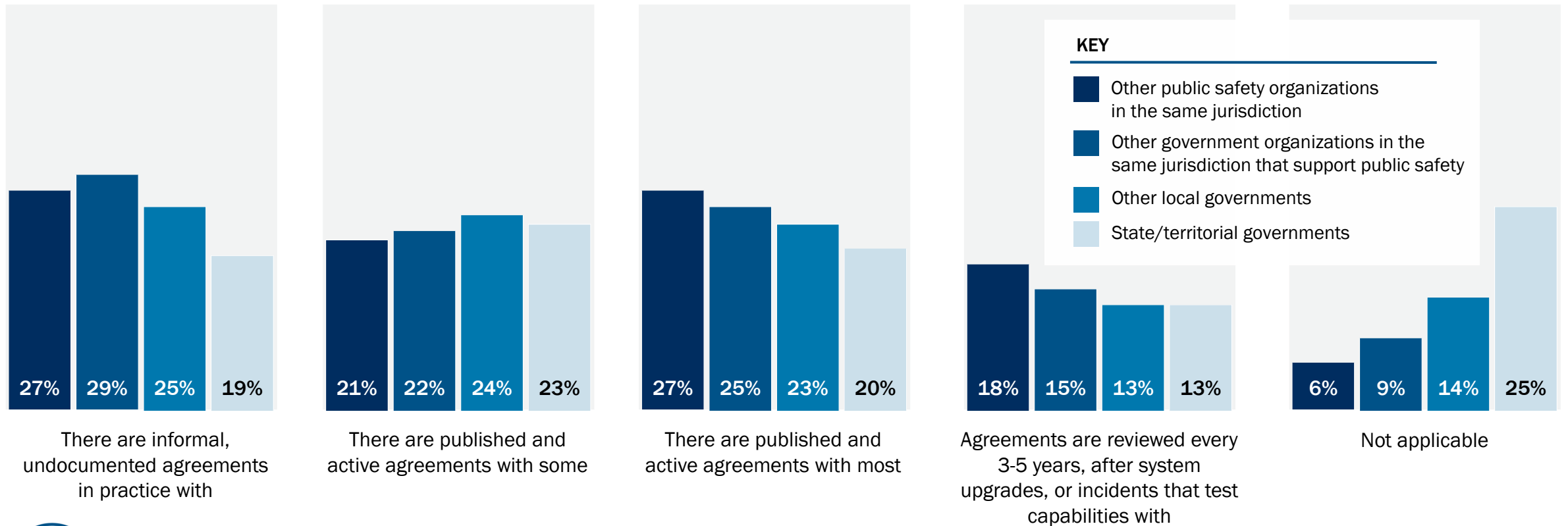
Formal decision-making groups include representatives from...



Governance Agreements

Local public safety organizations describe the formality of their governance agreements with other agencies. Values are proportions of all local respondents.

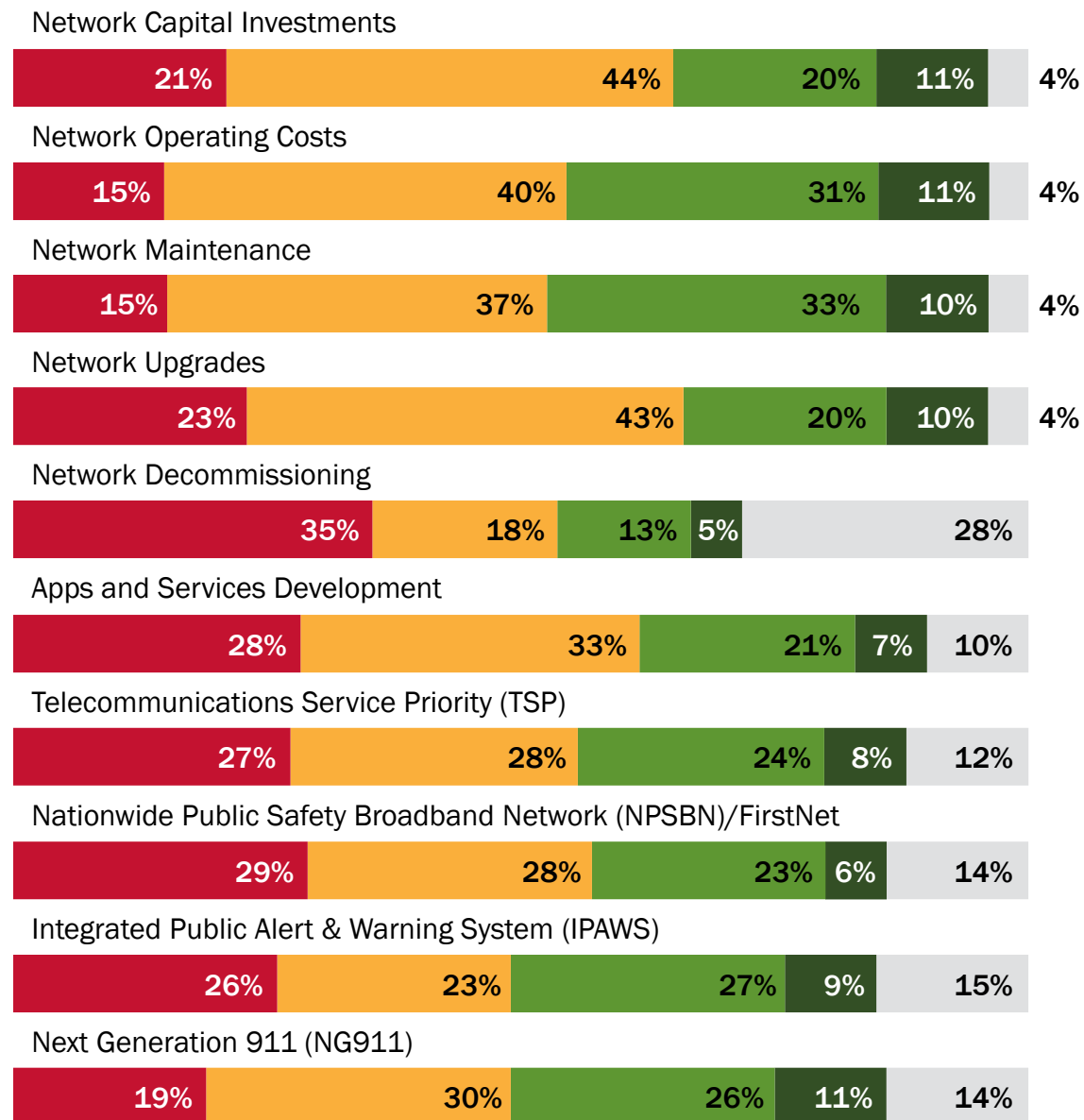
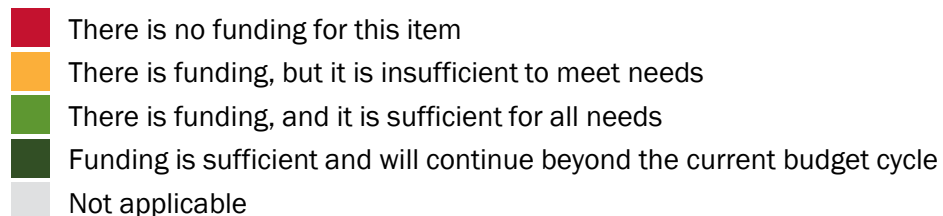
BOTTOM LINE: Almost all public safety organizations have governance agreements in place with other public safety organizations and organizations that support public safety in their jurisdictions.



Funding for Emergency Communications Networks and Applications

Local public safety organizations characterize the funding status for emergency communications networks and applications at their organization. Values are proportions of all local respondents.

BOTTOM LINE: More than half of public safety organizations do not have the funding they need to build new emergency communications networks, maintain the networks they have, or decommission networks that are obsolete.



Funding for Emergency Communications Equipment

Local public safety organizations characterize the funding status for emergency communications equipment at their organization. Values are proportions of all local respondents.

BOTTOM LINE: Almost two-thirds of public safety organizations nationwide lack the funding they need to manage their emergency communications equipment, and almost three-quarters cannot afford necessary equipment upgrades.



Equipment Management



Equipment Upgrades



Equipment Disposal



- There is no funding for this item
- There is funding, but it is insufficient to meet needs
- There is funding, and it is sufficient for all needs
- Funding is sufficient and will continue beyond the current budget cycle
- Not applicable

Funding for Emergency Communications Interoperability

Local public safety organizations characterize the funding status for emergency communications interoperability at their organization. Values are proportions of all local respondents.

BOTTOM LINE: Emergency communications interoperability solutions go completely unfunded in approximately one-third of public safety organizations nationwide.

WHY IT MATTERS: The ability for emergency response providers to communicate across networks, equipment, and technologies is critical for enabling responders to complete their mission to protect property and human life.



Interoperability Capital Investment



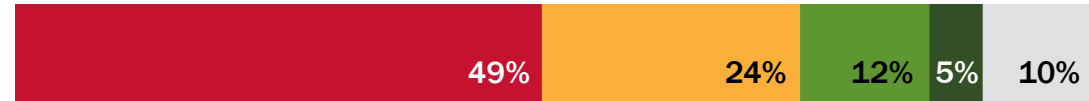
Interoperability Operating Costs



Interoperability Maintenance



Interoperability Research and Development



- There is no funding for this item
- There is funding, but it is insufficient to meet needs
- There is funding, and it is sufficient for all needs
- Funding is sufficient and will continue beyond the current budget cycle
- Not applicable

Funding for Emergency Communications Cybersecurity

Local public safety organizations characterize the funding status for emergency communications cybersecurity at their organization. Values are proportions of all local respondents.

BOTTOM LINE: Almost two-thirds of public safety organizations lack the funding they need to protect sensitive, mission-critical information and communications systems against cyber attacks.

WHY IT MATTERS: As communications technologies grow increasingly digital and interconnected, the cyber “attack surface” exploitable by malicious actors expands, requiring adoption of robust cybersecurity postures by public safety organizations.



Cybersecurity Capital Investment



Cybersecurity Operating Costs



Cybersecurity Maintenance

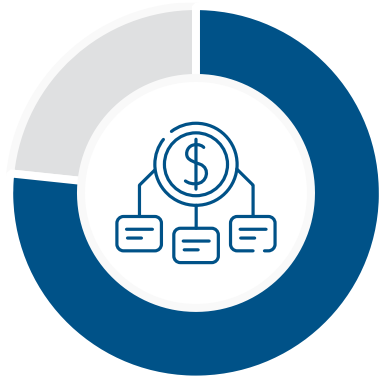


- There is no funding for this item
- There is funding, but it is insufficient to meet needs
- There is funding, and it is sufficient for all needs
- Funding is sufficient and will continue beyond the current budget cycle
- Not applicable

Funding Sources

Local public safety organizations identify the most common sources of funding used by their organization. Values are proportions of all local respondents.

BOTTOM LINE: Two-thirds of public safety organizations rely on grant funding to support emergency communications. Many organizations cannot afford large capital investments for network, system, or equipment upgrades without grant support.



73%
Appropriated/
Dedicated Funding
(e.g., operational and/or
capital budgets)



66%
Grants



34%
Discretionary
Funding



30%
Shared
Resources
(e.g., operational and
maintenance, systems,
equipment, real estate)



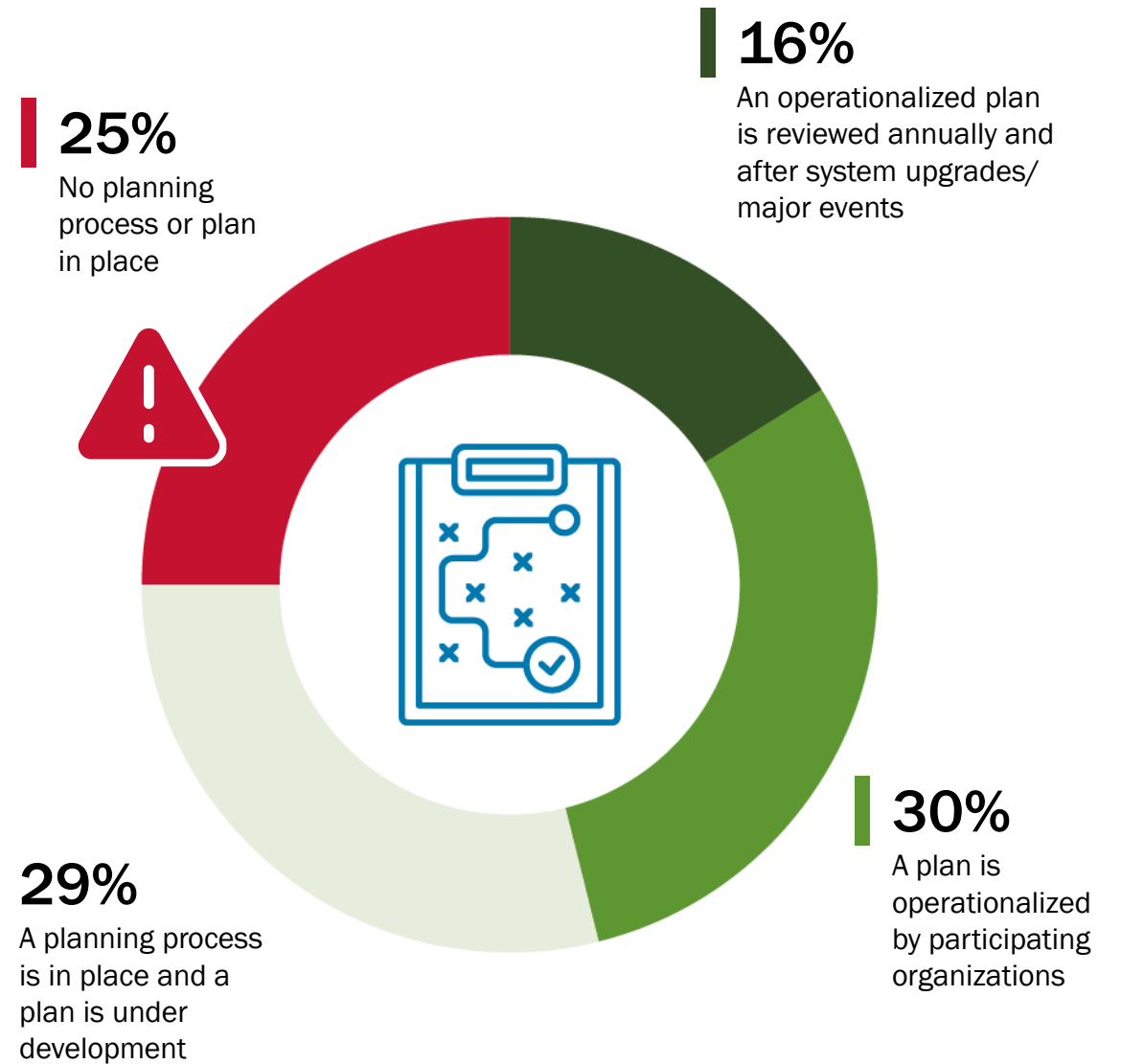
18%
Fees



Strategic Planning for Emergency Communications

Local public safety organizations characterize their strategic plan and strategic planning process for emergency communications. Values are proportions of all local respondents.

WHY IT MATTERS: Strategic planning allows organizations to establish their organizational goals and requirements, as well as identify the resources needed to achieve and sustain them.

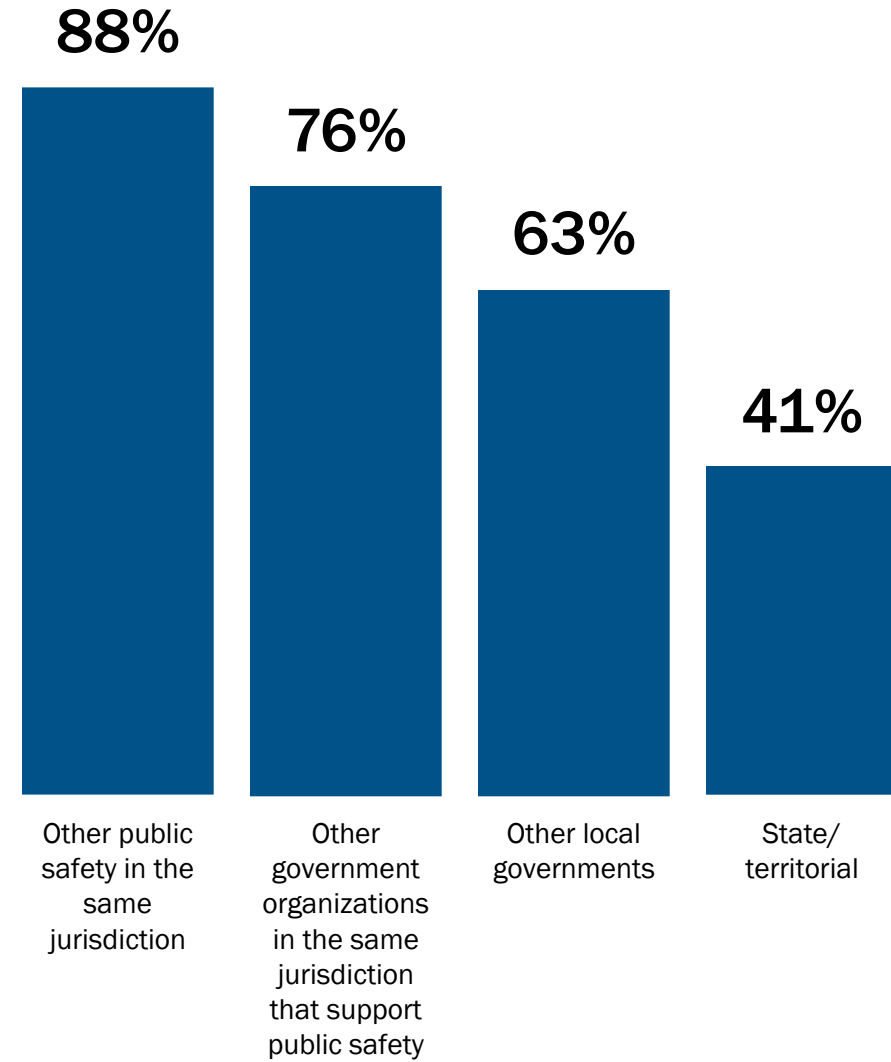


Strategic Planning Partnerships

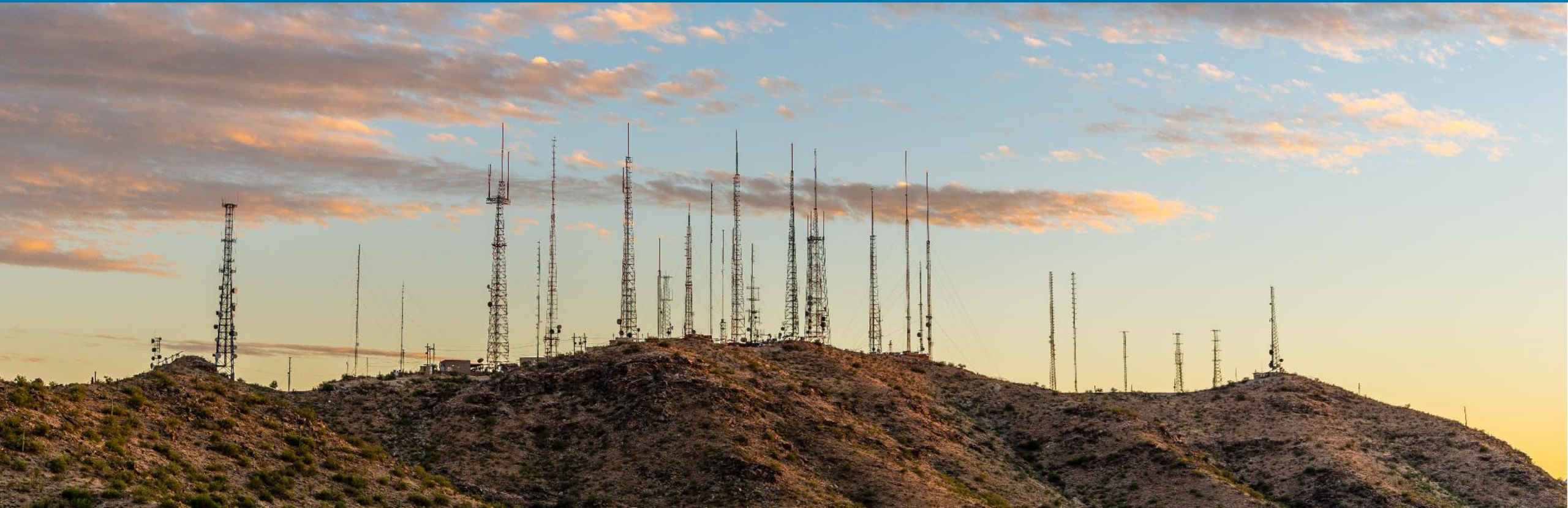
Local public safety organizations identify the other entities included in their emergency communications strategic planning. Values are proportions of local respondents with a strategic plan or planning process in place.

BOTTOM LINE: Most public safety organizations participate in strategic planning with other public safety partners in their jurisdictions.

WHY IT MATTERS: Robust strategic planning partnerships among organizations in the same and neighboring jurisdictions is a critical element of achieving communications interoperability and effective coordinated incident response.



STANDARD OPERATING PROCEDURES(SOPs)/ STANDARD OPERATING GUIDELINES (SOGs)



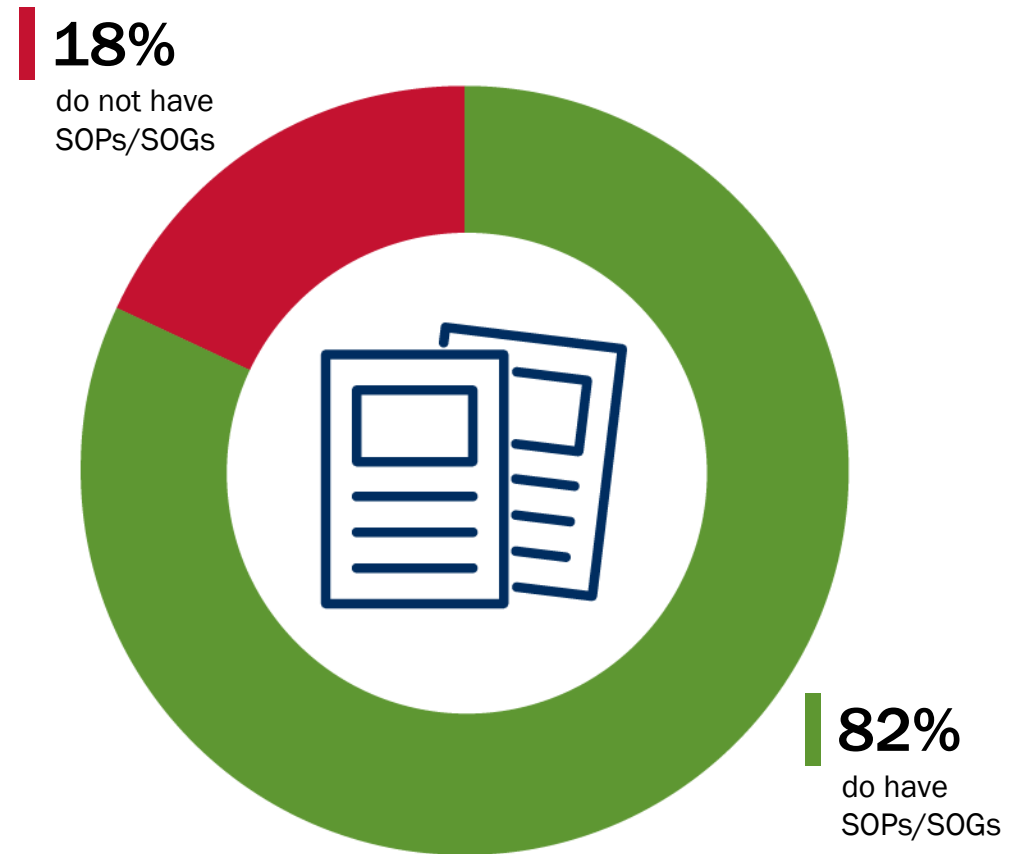
Utilization of SOPs/SOGs

Local public safety organizations characterized their Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs). Values are proportions of all local respondents.

WHY IT MATTERS: Standardized procedures and guidelines ensure that personnel use communications capabilities effectively, consistently, and as authorized.



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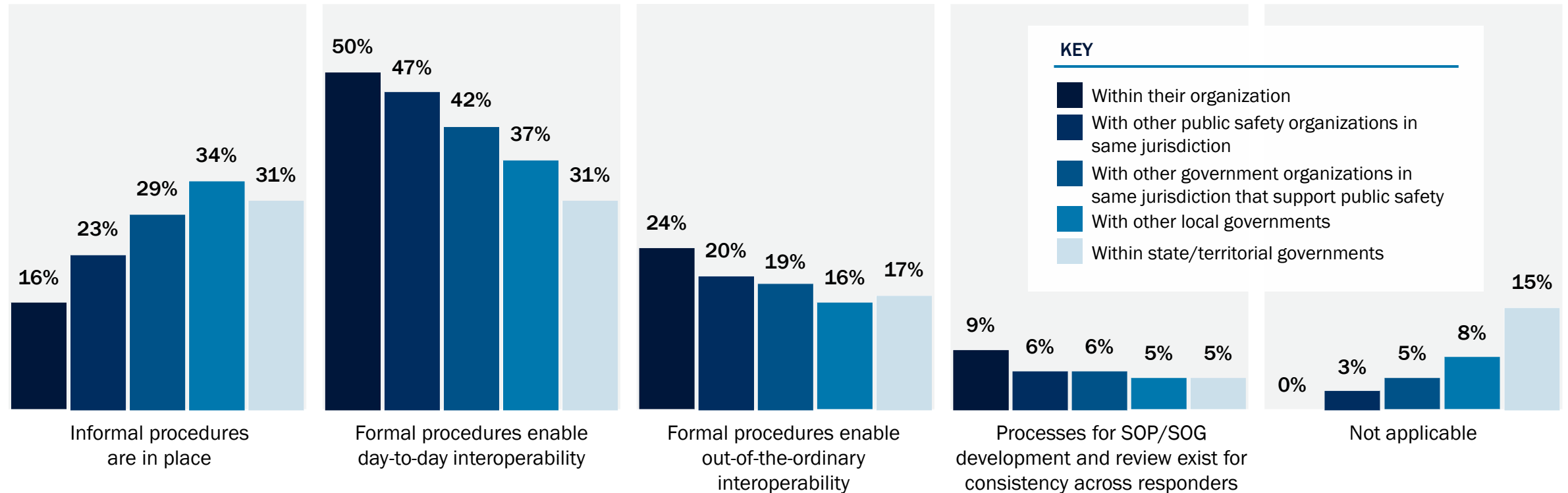


46% of organizations update their SOPs/SOGs on a regular basis

SOP/SOG Partnerships

Local public safety organizations characterize the formality of their Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs) with other partner organizations in and around their jurisdictions. Values are proportions of local respondents with SOPs/SOGs in place.

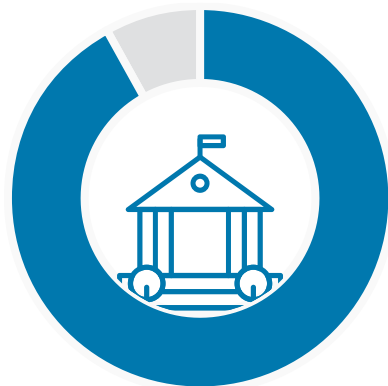
WHY IT MATTERS: Standardized procedures support interoperability by ensuring personnel use communications capabilities consistently and as agreed upon when communicating within their organization and with personnel from other agencies:-



Guidance Influencing SOPs/SOGs

Local public safety organizations identify the guidance influencing their organization's Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs). Values are proportions of local respondents with SOPs/SOGs in place.

BOTTOM LINE: Nearly all local public safety organizations align their SOPs/SOGs with guidance specific to their county or municipality.



92%
Local



79%
State



50%
National/
Federal



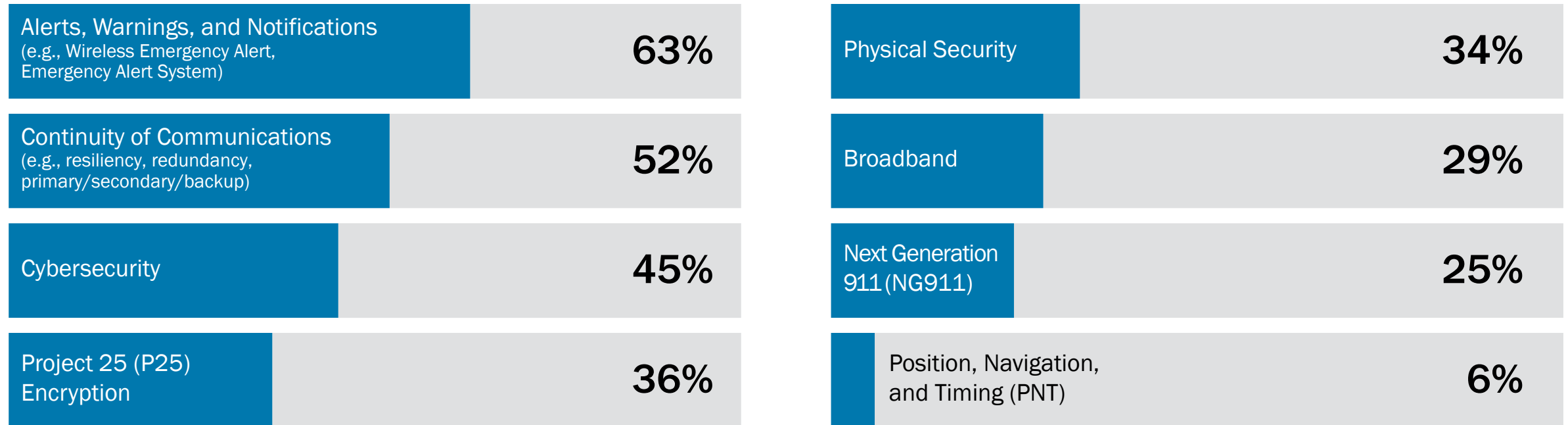
29%
Industry
(e.g., vendor, provider,
trade organization)



Topics Included in SOPs/SOGs

Local public safety organizations identify the topics covered in their agencies' Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs). Values are proportions of local respondents with SOPs/SOGs in place.

WHY IT MATTERS: Standardized procedures support interoperability by ensuring that personnel use communications capabilities consistently and as agreed when communicating within their organization and with personnel from other agencies.



TECHNOLOGY & EQUIPMENT

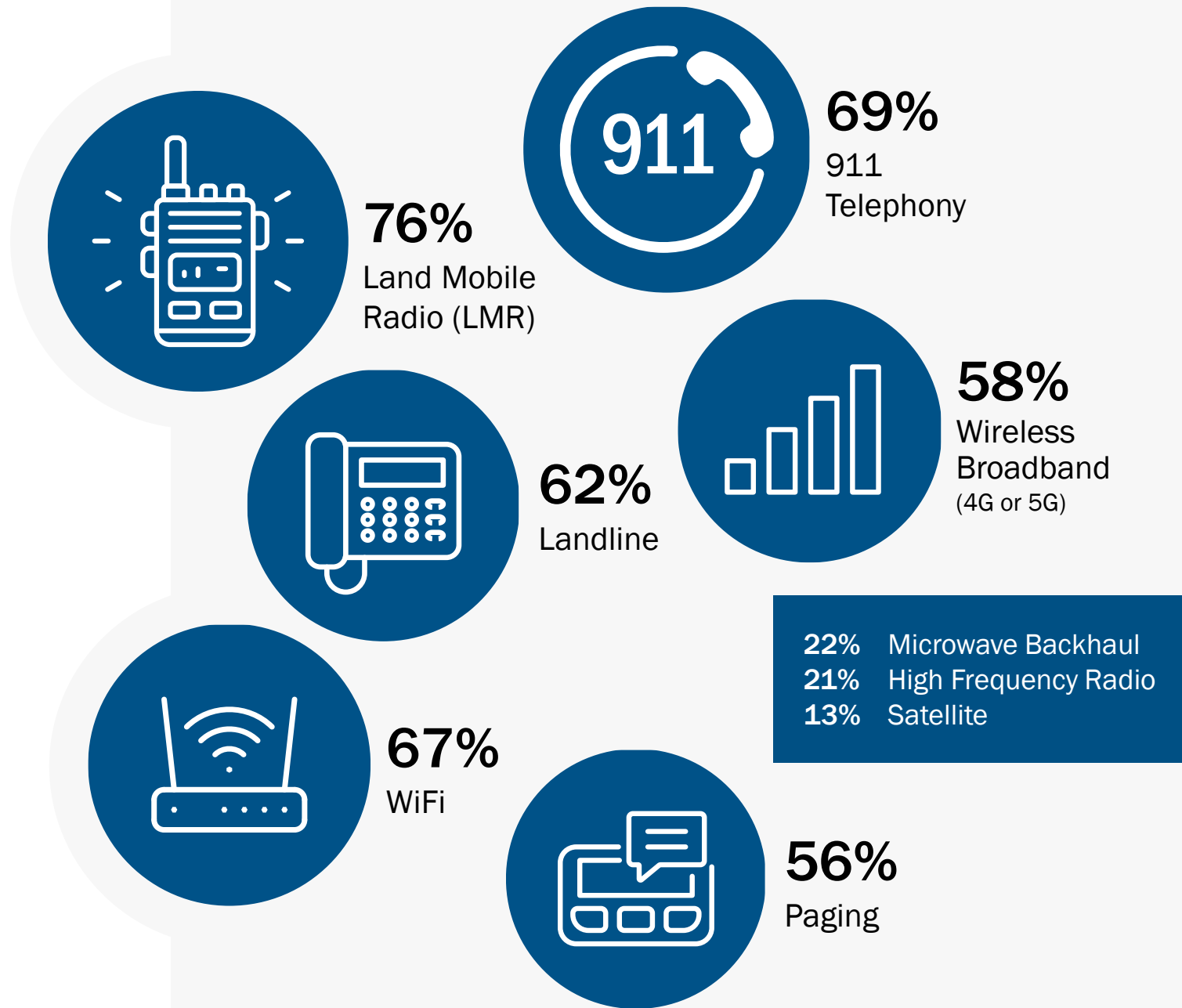


Systems in Use by Public Safety

Local public safety organizations identify the types of systems used for emergency communications at their organization. Values are proportions of all local respondents. Survey results represent the nationwide system usage trends among public safety organizations during 2023.

BOTTOM LINE: Public safety organizations utilize a wide array of equipment systems to communicate.

WHY IT MATTERS: The United States is a large, complex nation. No single type of equipment system can meet all public safety mission requirements in all operational environments. Understanding how these systems operate and interoperate is a key challenge for enabling interoperable emergency communications.



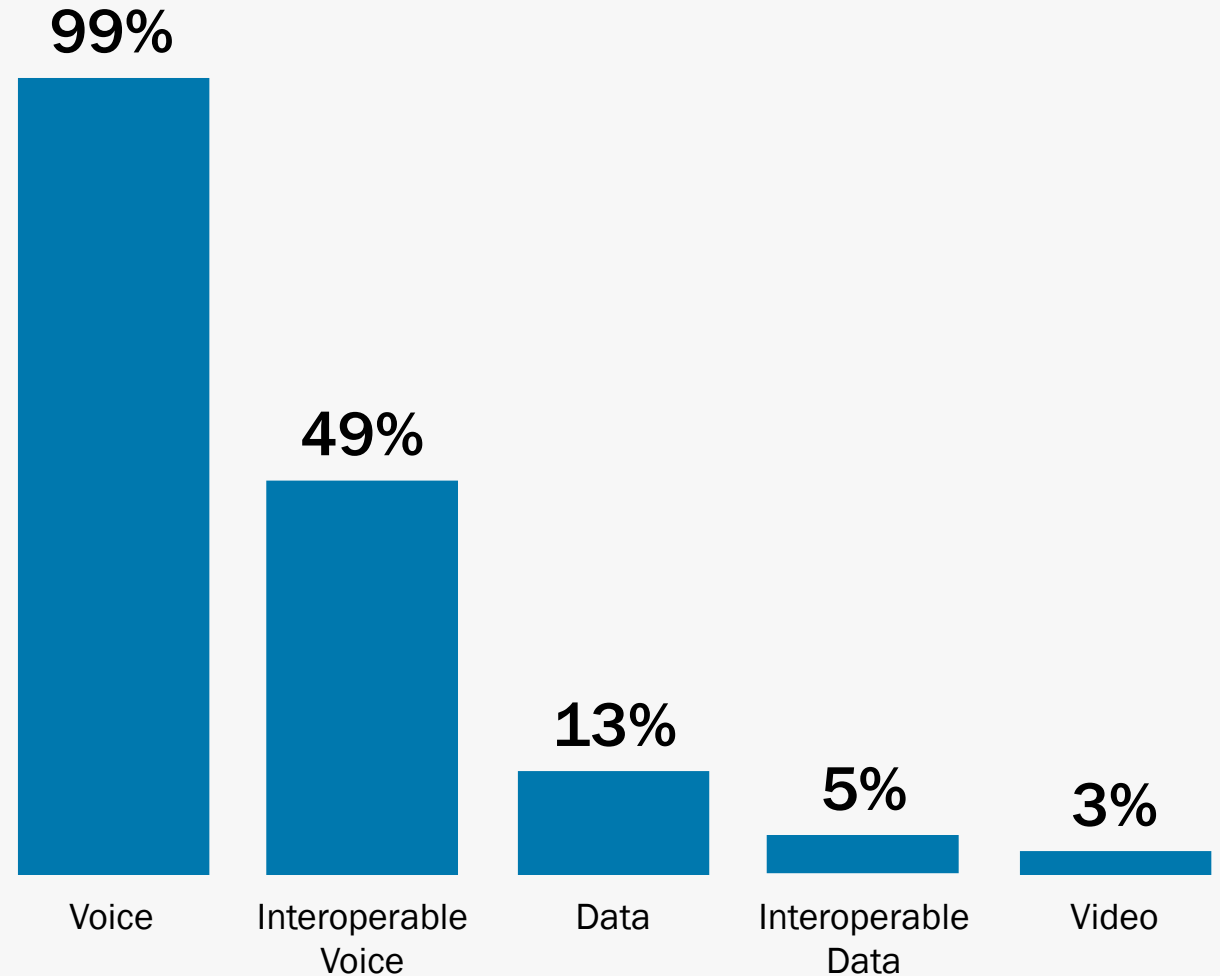
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LMR System Use

Local public safety organizations characterize the types of information carried by the primary land mobile radio (LMR) system used at their agency. Values are proportions of local respondents that use LMR.

BOTTOM LINE: Only about half of primary LMR systems in use by public safety organizations are used for voice interoperability.

WHY IT MATTERS: Three-quarters of public safety organizations rely on LMR for primary voice communications, more than any other type of communications system.

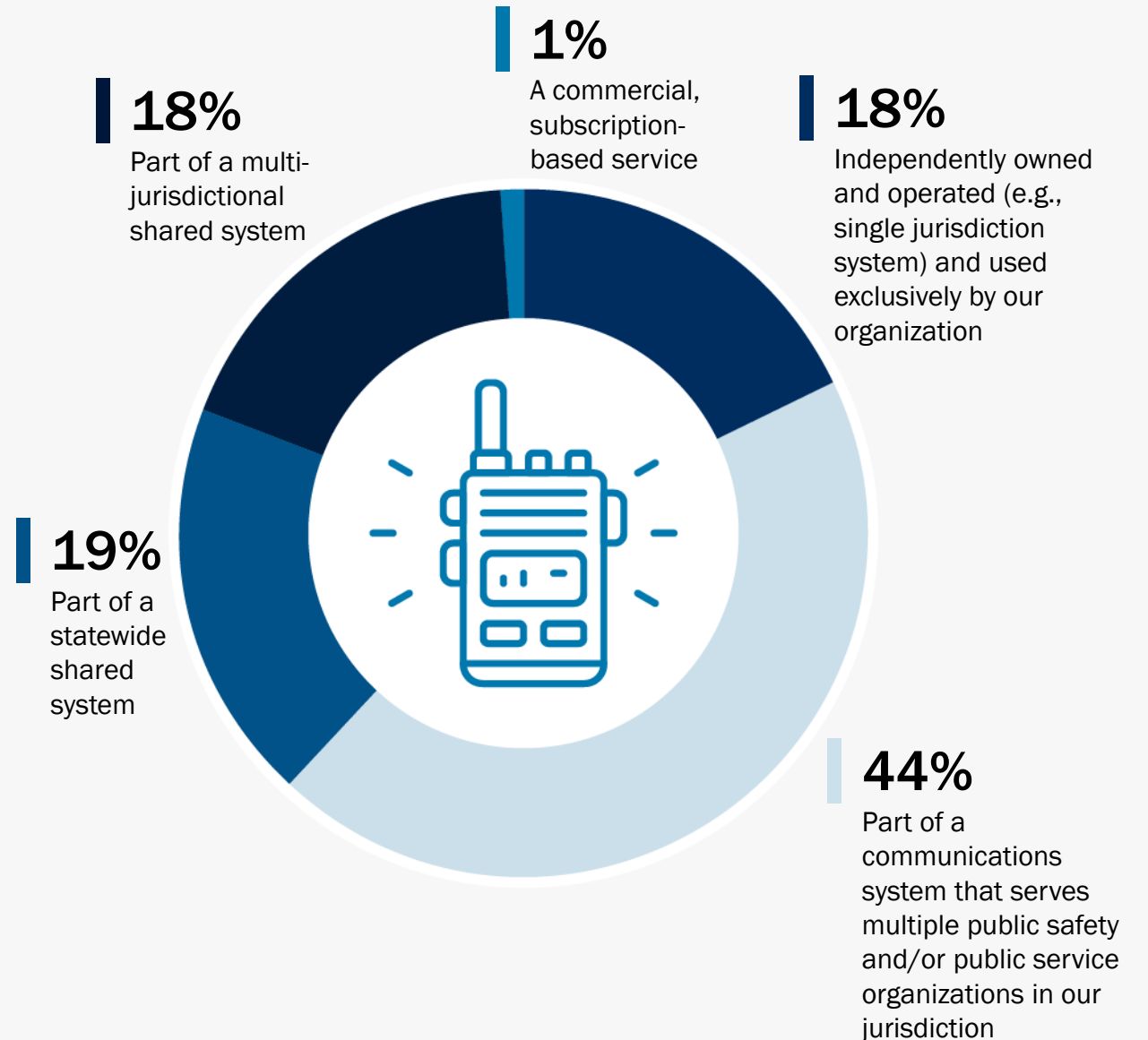


LMR System Ownership

Local public safety organizations characterize the ownership of the primary land mobile radio (LMR) system used at their agency. Values are proportions of local respondents that use LMR.

BOTTOM LINE: Most LMR systems in use by public safety organizations are shared among multiple agencies.

WHY IT MATTERS: Communications system resource sharing allows public safety organizations to pool resources for mission-critical system upgrades and maintenance. Resource sharing also provides seamlessly interoperable communications for organizations using the shared system.

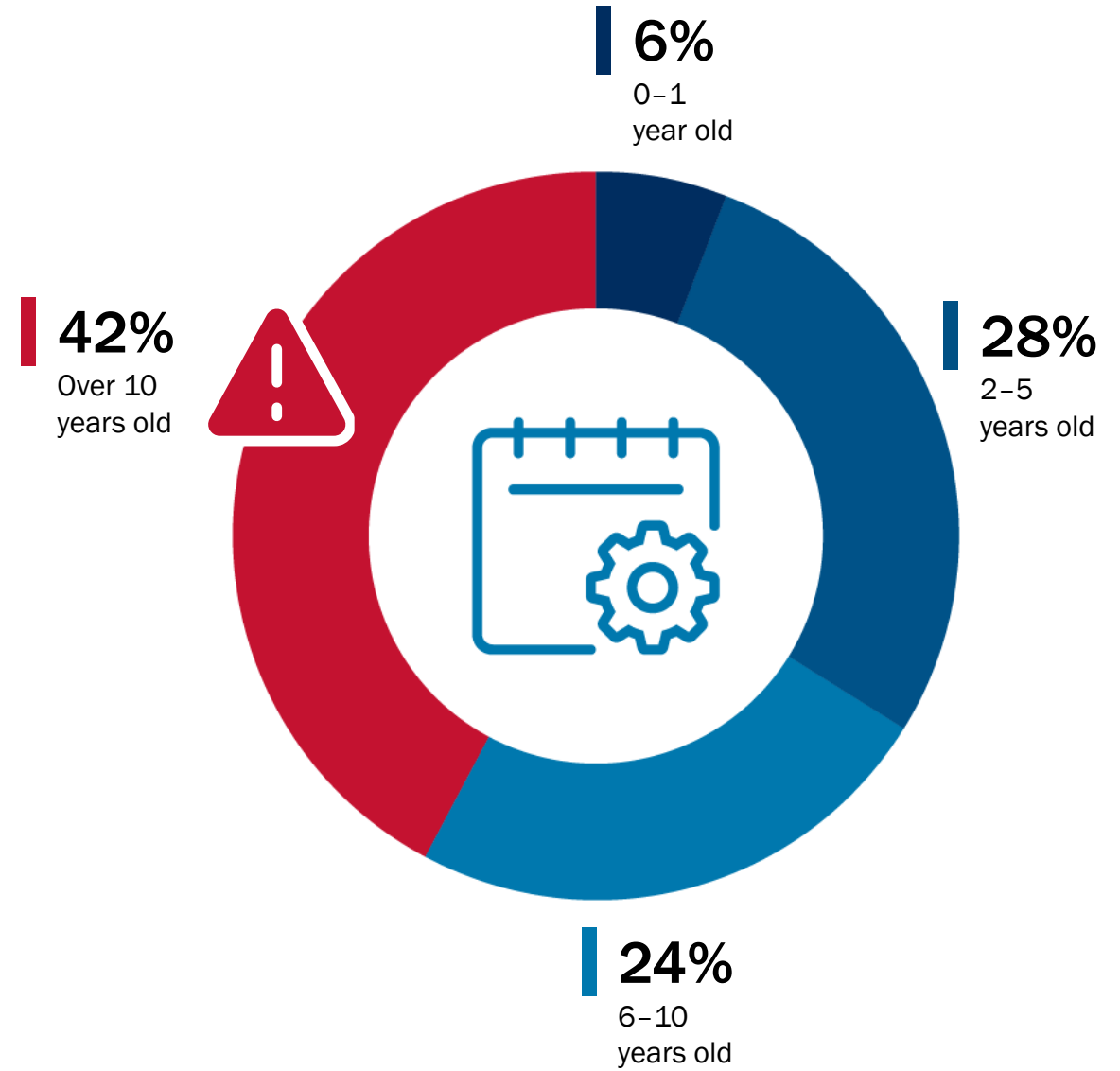


LMR System Age

Local public safety organizations characterize the age of the primary land mobile radio (LMR) system used at their agency. Values are proportions of local respondents that use LMR.

BOTTOM LINE: Almost half of LMR systems in use by public safety organizations are more than ten years old.

WHY IT MATTERS: Procuring a new LMR system is a complex and costly endeavor that will affect an organization's ability to communicate for years. Selecting new systems that comply with key standards like Project 25 (P25) ensure that these systems provide secure, resilient, and interoperable communications throughout their long service lives.

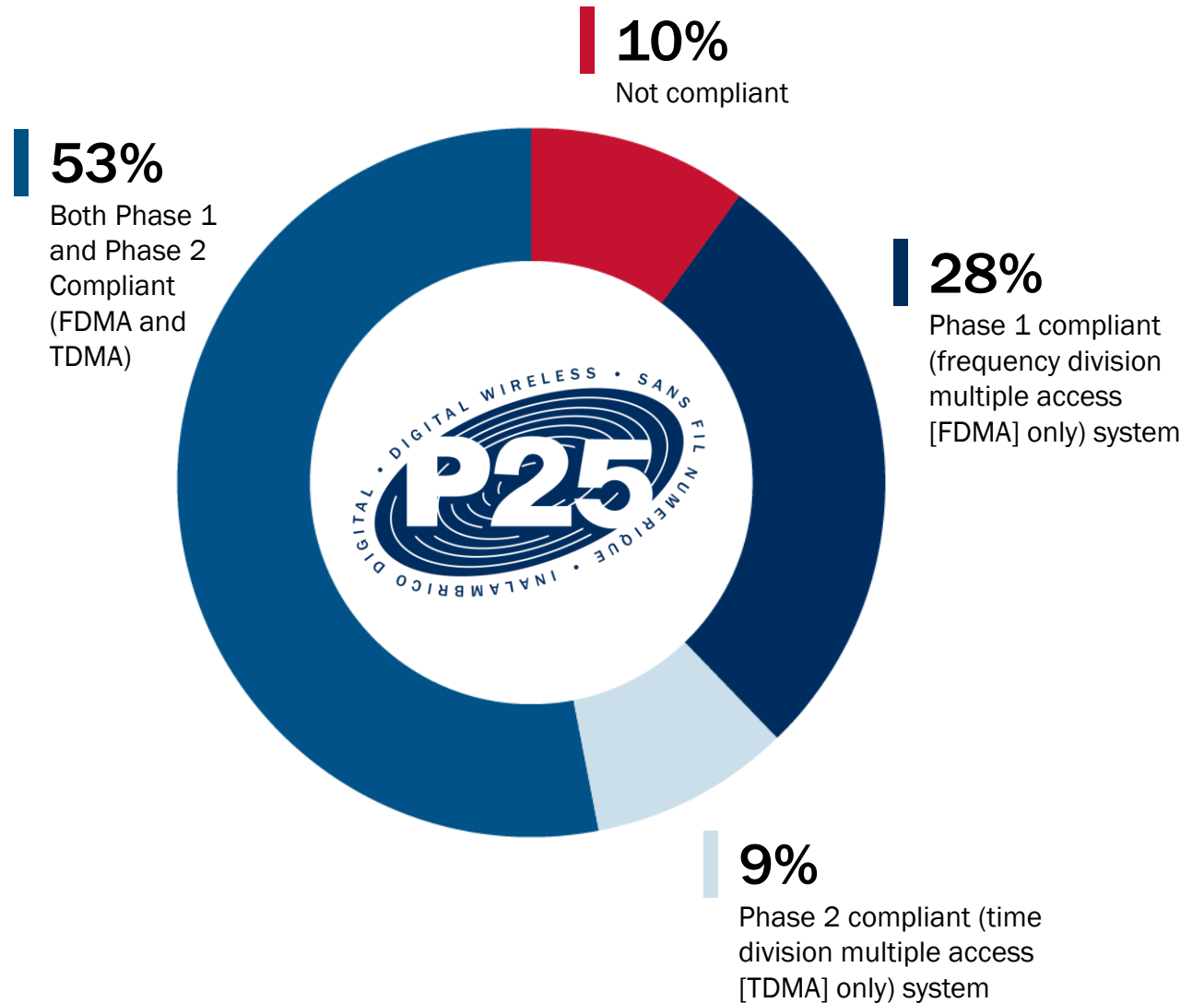


LMR P25 Compliance

Local public safety organizations describe the Project 25 (P25) standards compliance of their primary land mobile radio (LMR) system. Values are proportions of all respondents that use LMR.

BOTTOM LINE: Almost all LMR systems in use by public safety are compliant with some or all Project 25 standards.

WHY IT MATTERS: Many public safety organizations rely on grant funding from the Department of Homeland Security (DHS) to procure new LMR systems. LMR systems that do not comply with P25 standards are not eligible to purchase with DHS grant funding.

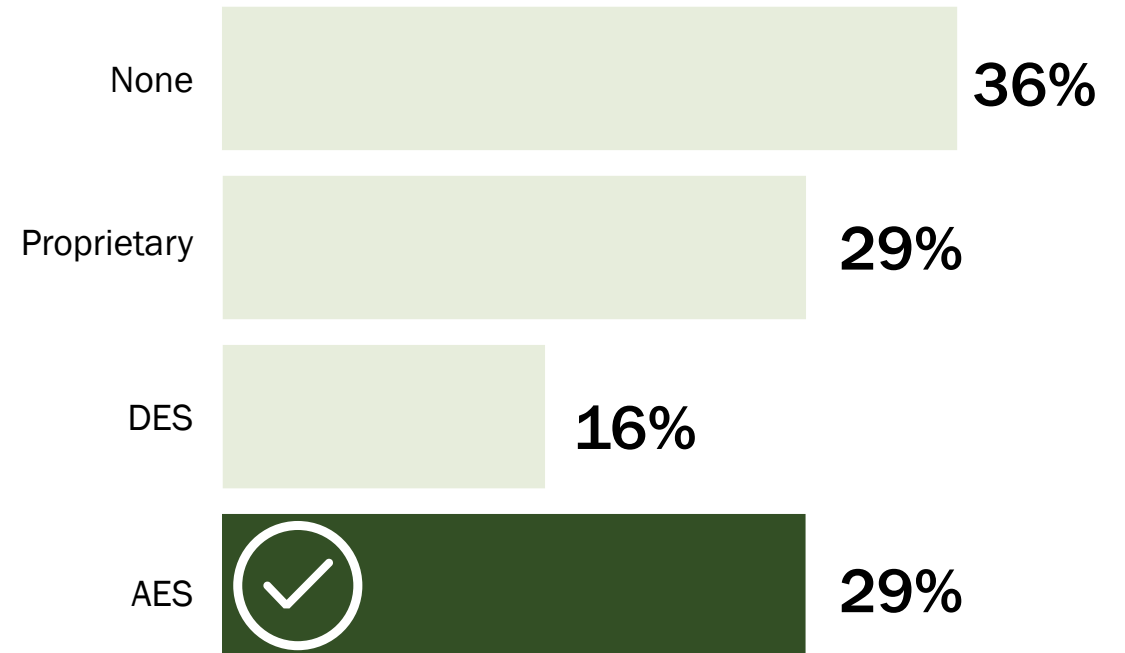


LMR Encryption

Local public safety organizations characterize the encryption methods used to secure voice communication on land mobile radio (LMR) systems used by their agency. Values are proportions of local respondents whose organization uses an LMR system.

BOTTOM LINE: Fewer than one-third of public safety organizations using LMR employ Advanced Encryption Standard (AES) encryption as recommended by the National Institute of Standards and Technology.

WHY IT MATTERS: Encryption protects all responders, citizens, and sensitive shared information. Adopting standards-based, currently-approved AES encryption capabilities is pivotal for protecting information from unauthorized access without undercutting communications interoperability.

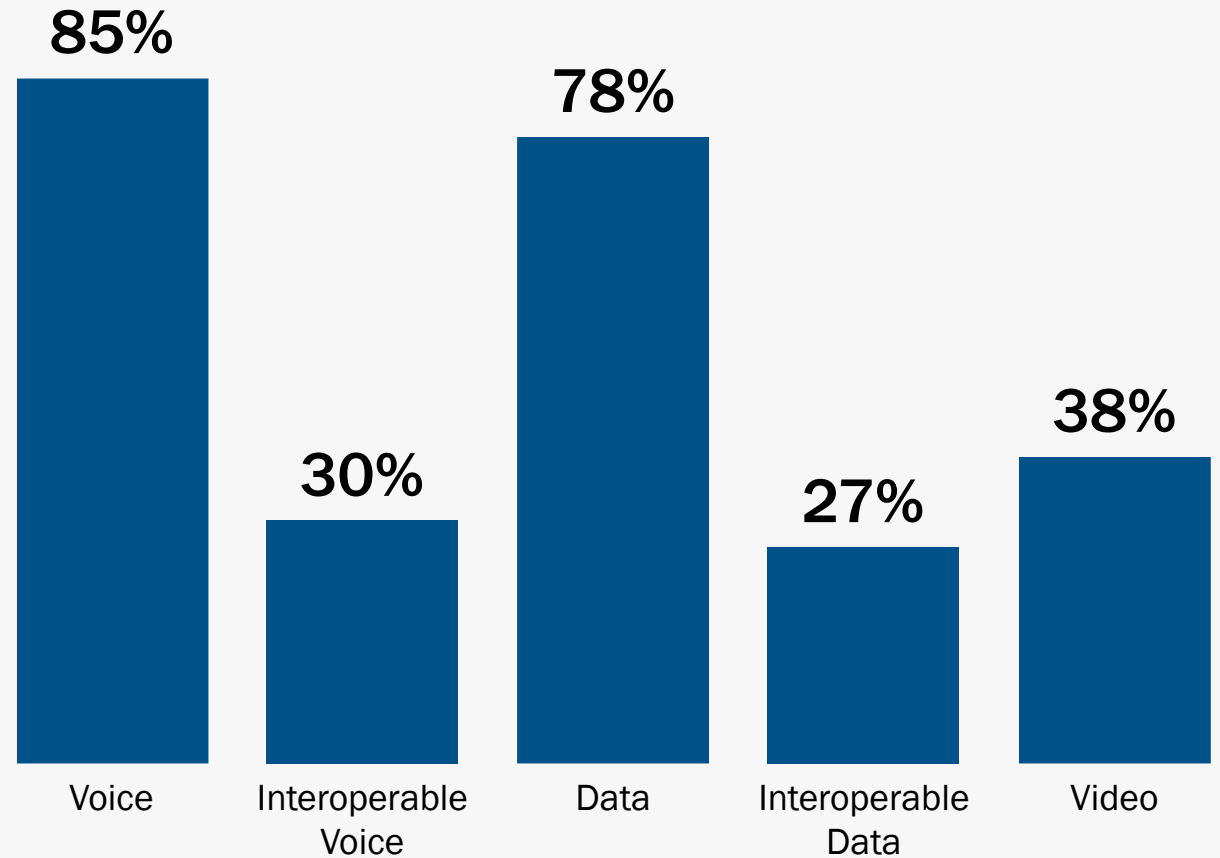


4G/LTE System Use

Local public safety organizations characterize the types of communication carried by the primary 4G/LTE system used at their agency. Values are proportions of local respondents that use 4G/LTE.

BOTTOM LINE: Most public safety organizations that use 4G/LTE use these systems for both voice and data communications.

WHY IT MATTERS: Although wireless broadband systems (including both 4G/LTE and 5G) are less widely used for voice communications by public safety organizations than land mobile radio, these systems are the most widely used for mobile/portable data communications.

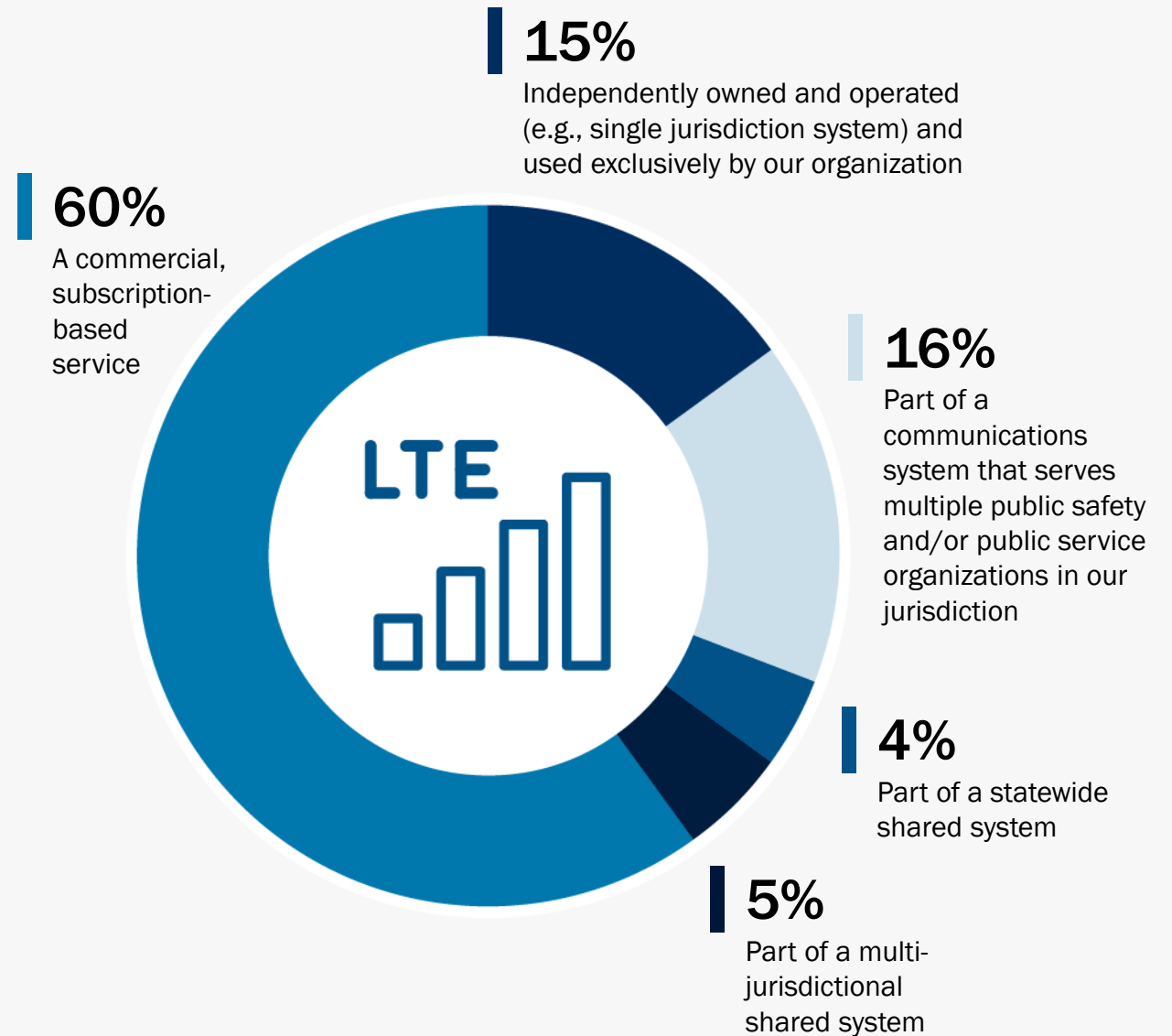


4G/LTE Ownership

Local public safety organizations characterize the ownership of the primary 4G/LTE system used at their agency. Values are proportions of local respondents that use 4G/LTE.

BOTTOM LINE: Most 4G/LTE systems in use by public safety agencies are commercial, subscription-based services.

WHY IT MATTERS: Use of commercial wireless broadband networks for public safety communications can provide organizations with good coverage, enhanced access to deployable capabilities, and rapid system restoration, thanks to commercial providers' substantial purchasing power and continual infrastructure enhancement.

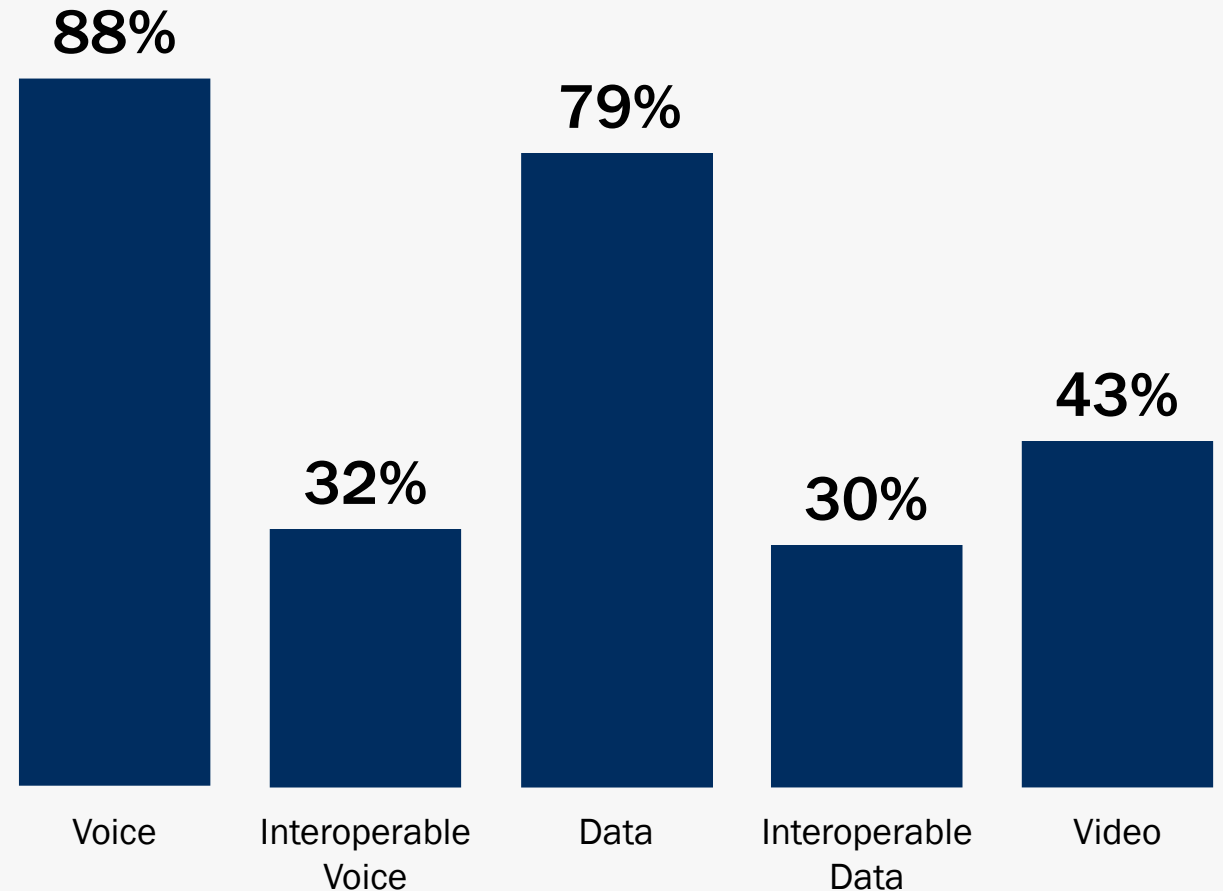


5G System Use

Local public safety organizations characterize the types of communication carried by the primary 5G system used at their agency. Values are proportions of local respondents that use 5G.

BOTTOM LINE: Most public safety organizations that use 5G use these systems for both voice and data communications.

WHY IT MATTERS: Although wireless broadband systems (including both 4G/LTE and 5G) are less widely used for voice communications by public safety organizations than land mobile radio, these systems are the most widely used for mobile/portable data communications.

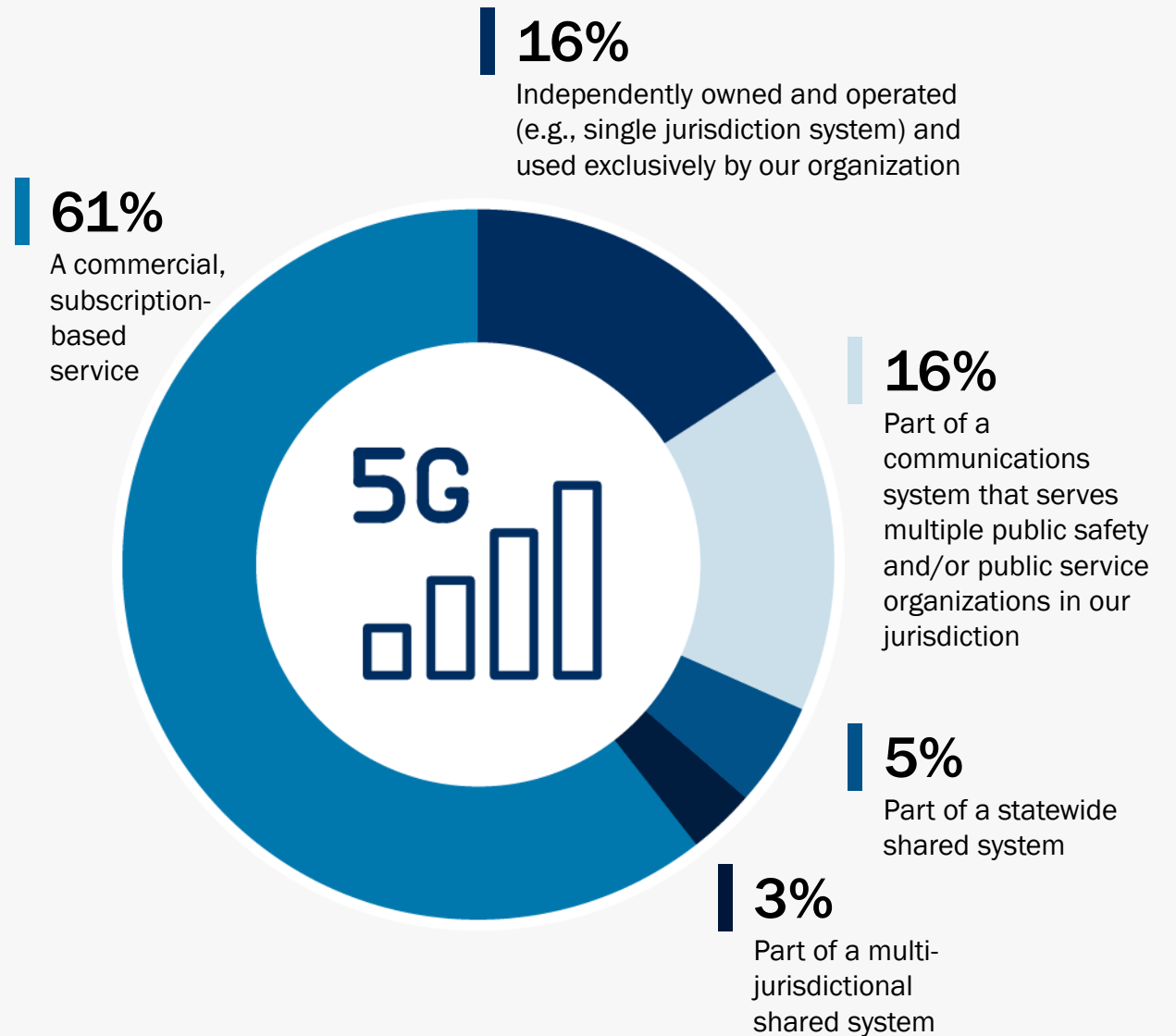


5G System Ownership

Local public safety organizations characterize the ownership of the primary 5G system used at their agency. Values are proportions of local respondents that use 5G.

BOTTOM LINE: Most 5G systems in use by public safety agencies are commercial, subscription-based services.

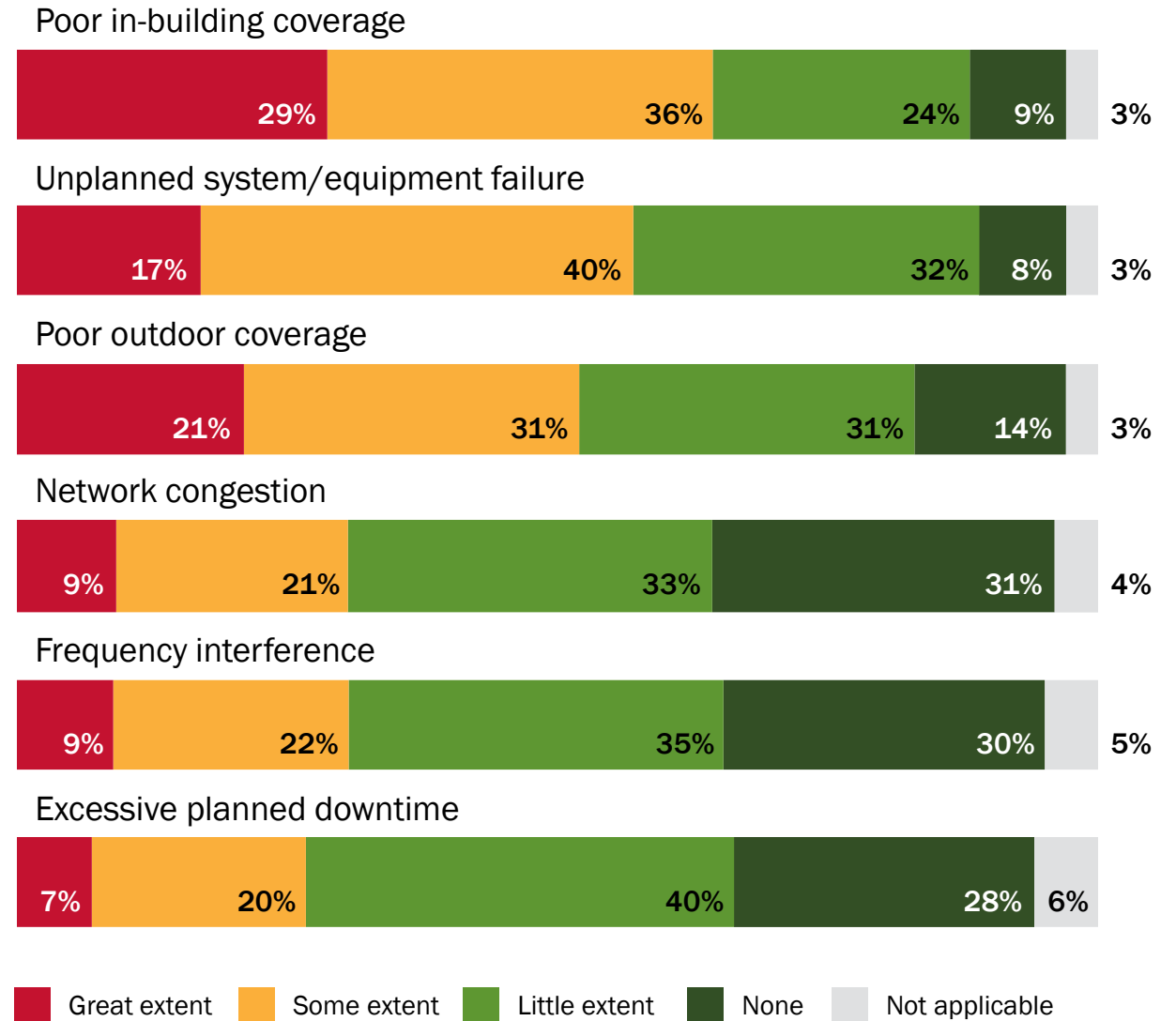
WHY IT MATTERS: Use of commercial wireless broadband networks for public safety communications can provide organizations with good coverage, enhanced access to deployable capabilities, and rapid system restoration, thanks to commercial providers' substantial purchasing power and continual infrastructure enhancement.



Factors Affecting Communication

Local public safety organizations characterize the extent to which various factors affect their organization’s ability to communicate. Values are proportions of all local respondents. All bar totals sum to 100 percent (minor variation possible due to rounding).

BOTTOM LINE: Poor coverage and unplanned system or equipment failures are the most common factors affecting the ability to communicate, disrupting more than half of public safety organizations’ communications to more than a “little extent.”



System Sufficiency

Local public safety organizations qualify how well their communications systems meet their organization's mission requirements in day-to-day and out-of-the-ordinary situations. Values are proportions of all respondents.

BOTTOM LINE: More than one-quarter of public safety organizations feel that their communications systems are inadequate even for day-to-day situations.



43%

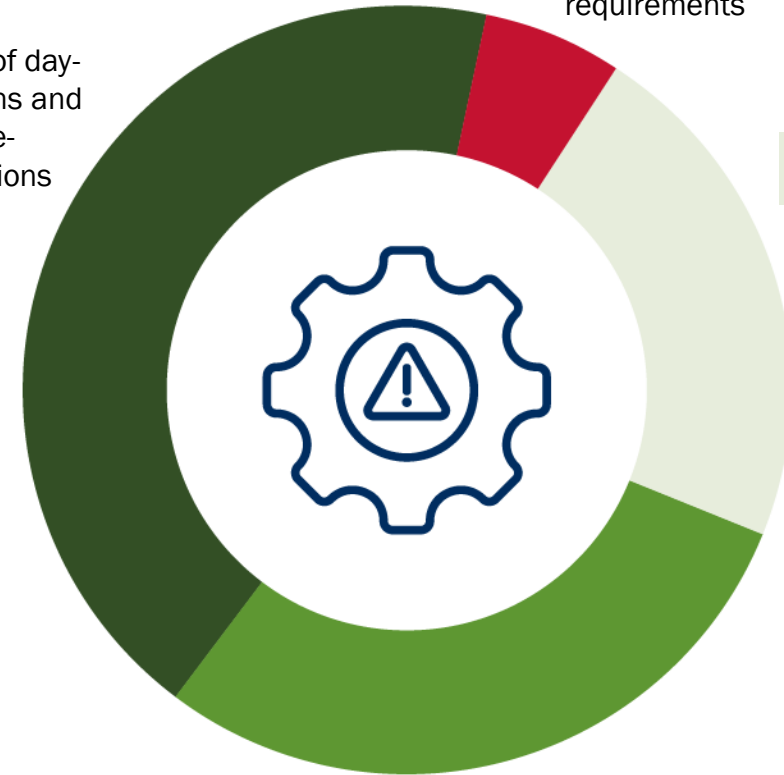
Systems meet all mission requirements of day-to-day situations and most out-of-the-ordinary situations

6%

Systems do not currently meet mission requirements

22%

Systems meet only basic mission requirements



29%

Systems meet mission requirements of day-to-day situations, but not out-of-the-ordinary situations

Interoperability Solutions

Local public safety organizations identify the solutions their agency uses to establish interoperable communications. Values are proportions of all local respondents.

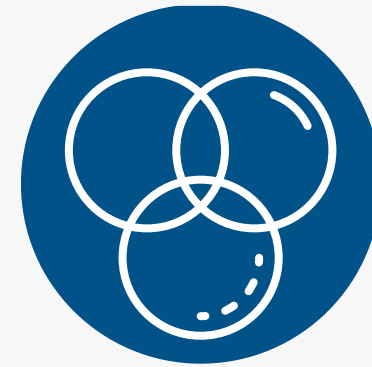
BOTTOM LINE: Resource sharing, whether in the form of networks/systems, spectrum resources, or end-user equipment, is the most common method utilized by public safety organizations to achieve interoperable communications.



76%
Mutual aid channels/
talkgroups



67%
Shared system



61%
Channel/console
cross-patching



46%
Radio
reprogramming



48%
Mobile
communications
center



39% Standards-based shared systems (e.g., Project 25)
35% Radio cache/radio exchange
35% Commercial wireless equipment (e.g., government furnished equipment, bring-your-own-device)
34% Established channel sharing agreements

Information Exchanged

Local public safety organizations identify the types of information they exchange with other agencies. Values are proportions of all local respondents.

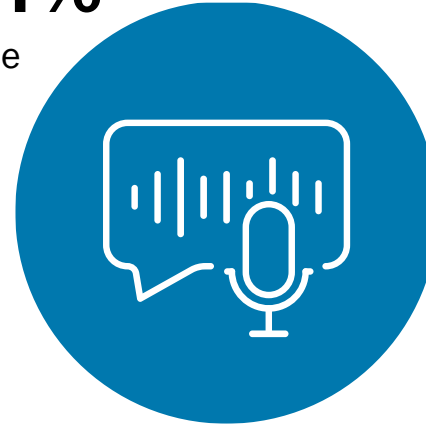
BOTTOM LINE: The exchange of mission-critical data, including dispatch, geographic, records management, and resource information, is a key element of public safety communications.

WHY IT MATTERS: As data management and information exchange systems in use by public safety grow increasingly sophisticated and interconnected, so does the need to assure the availability, integrity, and privacy of the sensitive data stored on these systems.



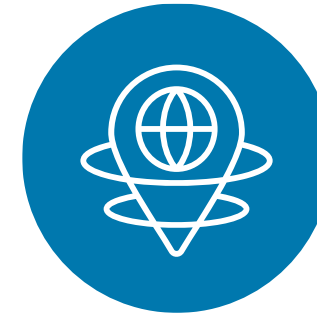
94%

Voice



65%

Computer-Aided Dispatch (CAD) data



51%

Geographic Information System (GIS) data

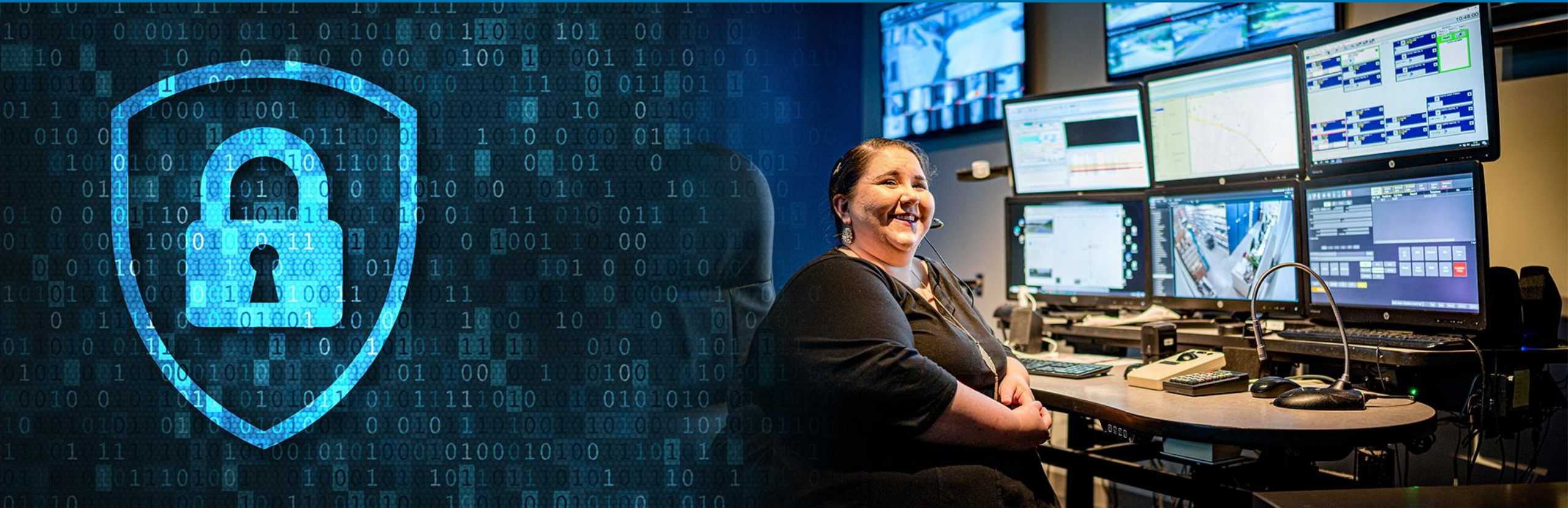


41%

Records Management System (RMS)

- 30% Automatic Vehicle Location (AVL) data
- 30% Resource data (e.g., available equipment, teams, shelter/hospital beds)
- 22% Accident/crash (telematics) data
- 22% Video

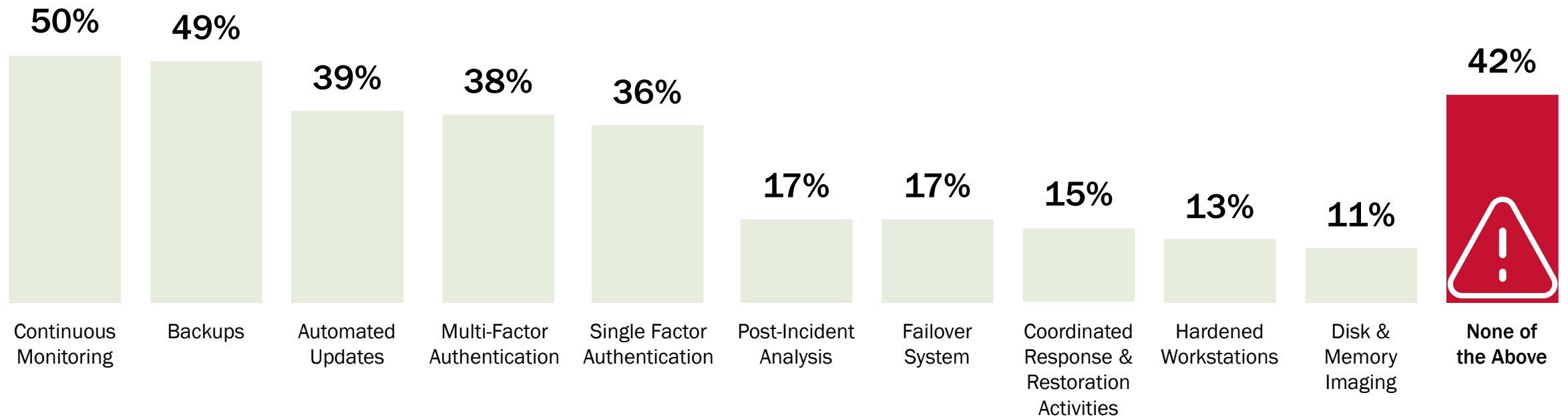
CYBERSECURITY



Cybersecurity Implementation

Local public safety organizations identify the cybersecurity measures implemented at their agency. Values are proportions of all local respondents.

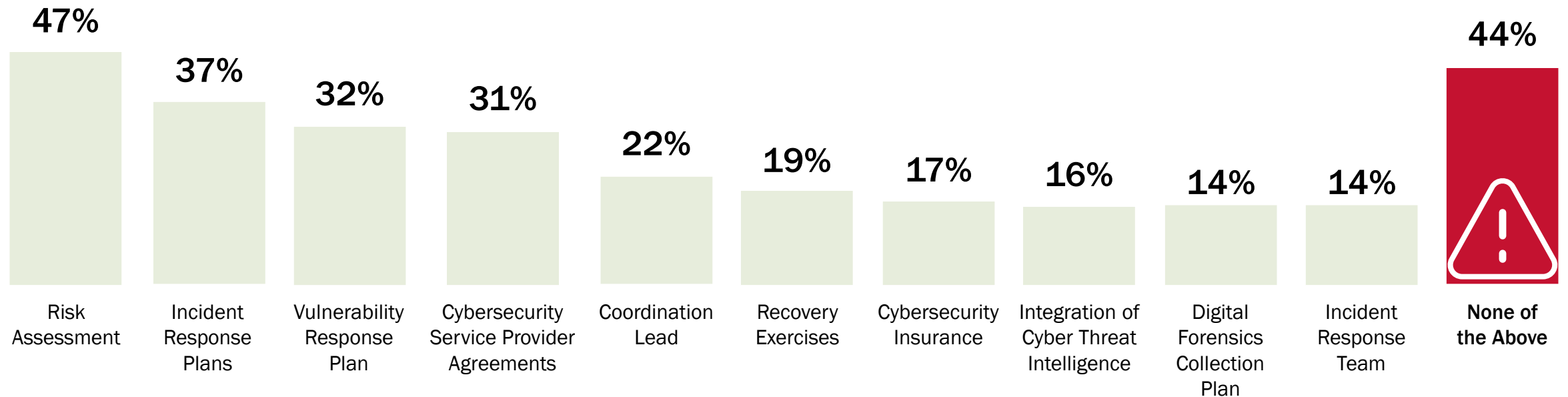
BOTTOM LINE: Cybersecurity preparedness remains a critical gap for public safety, with almost half of organizations indicating that their agency has not implemented even rudimentary cybersecurity measures, including automatic backups, automatic updates, or passwords.



Cybersecurity Planning

Local public safety organizations identify cybersecurity plans and policies in use at their agency. Values are proportions of all local respondents.

BOTTOM LINE: Cybersecurity preparedness remains a critical gap for public safety, with almost half of organizations indicating that their agency has not completed cybersecurity planning and assessments, including risk assessments, incident response plans, or vulnerability response plans.

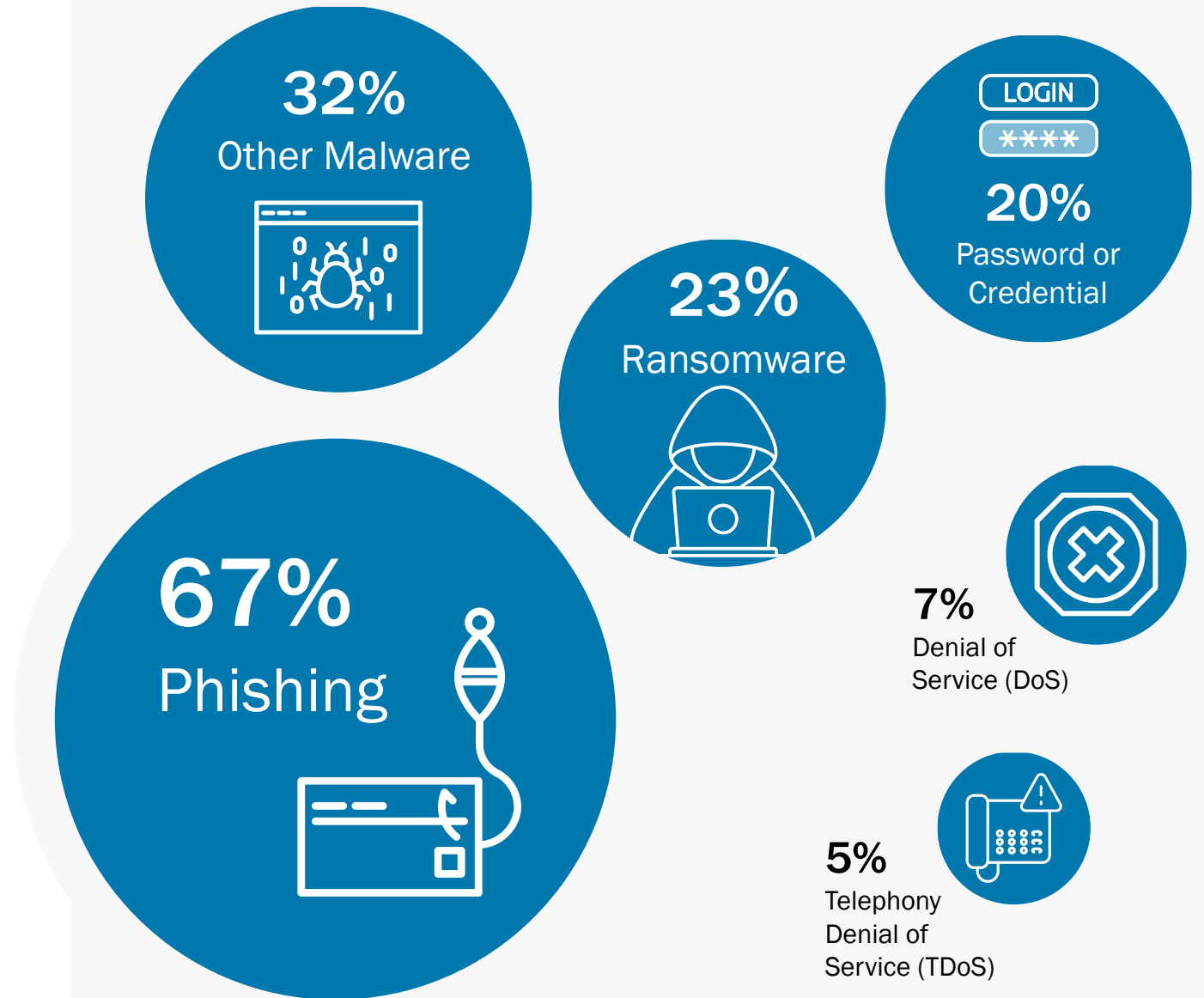


Cyber Attacks Experienced

Local public safety organizations identify the most common types of cyberattacks their organization has experienced. Values are proportions of all local respondents.

BOTTOM LINE: Phishing is the most common type of cyberattack experienced by public safety organizations, affecting two-thirds of agencies nationwide.

WHY IT MATTERS: The prominence of social engineering, including phishing, as a method for stealing information and resources emphasizes the need for enhanced cybersecurity awareness training for emergency communications personnel.

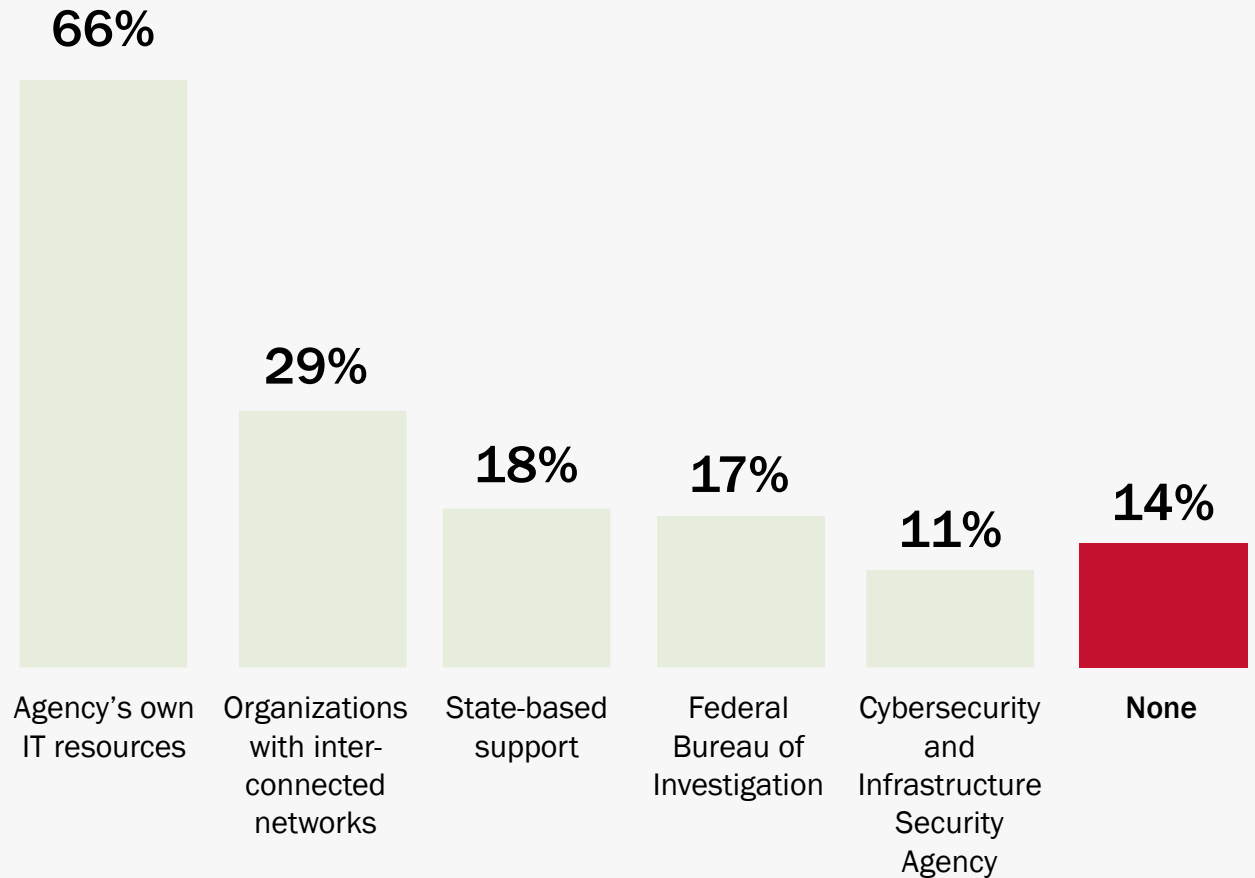


Cybersecurity Incident Reporting

Local public safety organizations identify the other entities engaged or alerted by their organization in the event of a cybersecurity incident. Values are proportions of all local respondents.

BOTTOM LINE: Most public safety organizations internally report cybersecurity incidents, but few report cybersecurity incidents to other agencies, including organizations with whom they share interconnected networks.

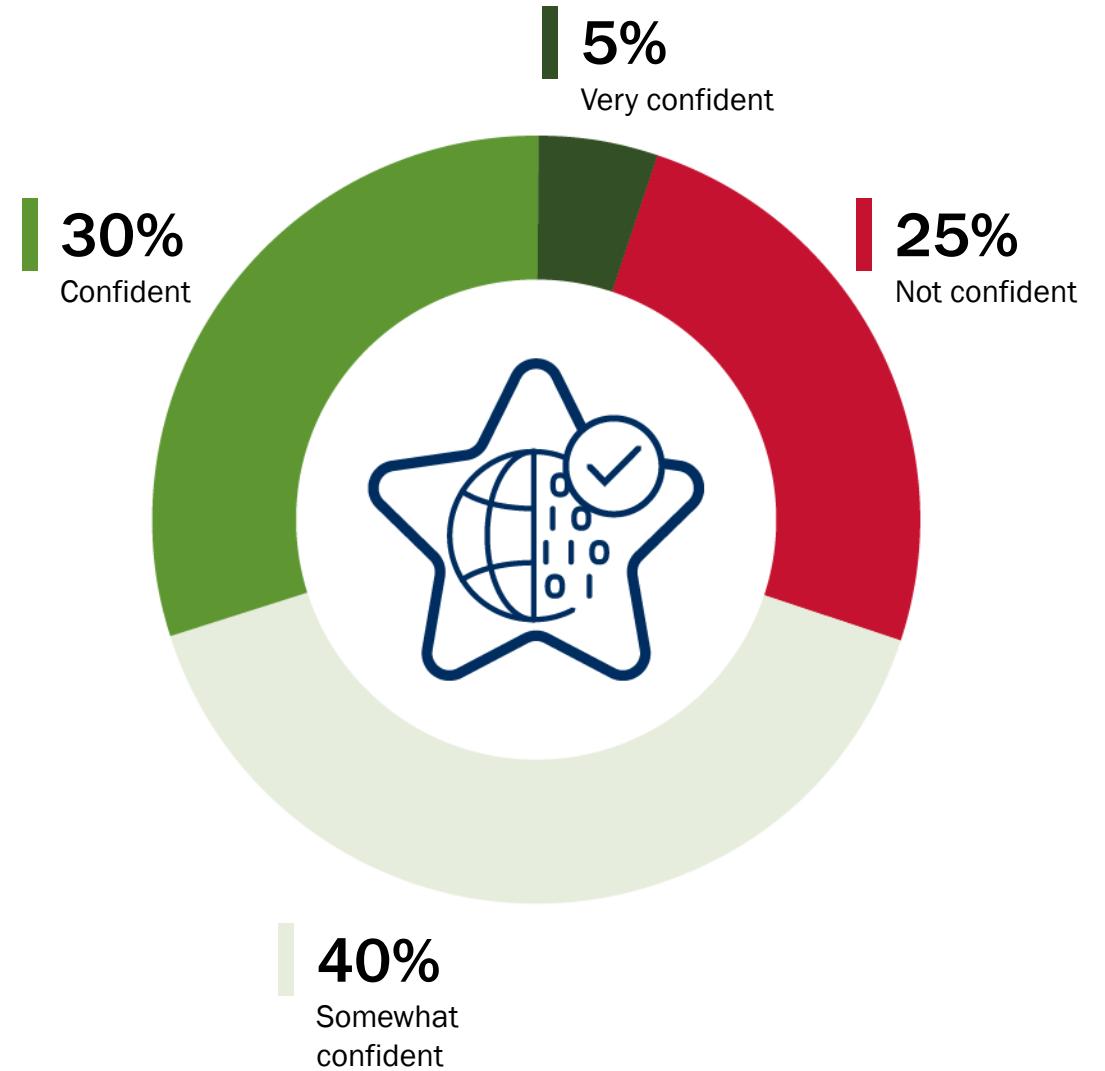
WHY IT MATTERS: Cybersecurity attacks are often perpetrated against multiple targets at once, and communications networks and systems are often interconnected. Cyber incident reporting is critical for preventing the spread of malicious software.



Cybersecurity Confidence

Local public safety organizations qualify their confidence in their ability to detect and respond to cybersecurity threats and vulnerabilities. Values are proportions of all local respondents.

BOTTOM LINE: Only five percent of public safety organizations indicate the highest level of confidence in their organization's cybersecurity capabilities.



TRAINING & EXERCISES

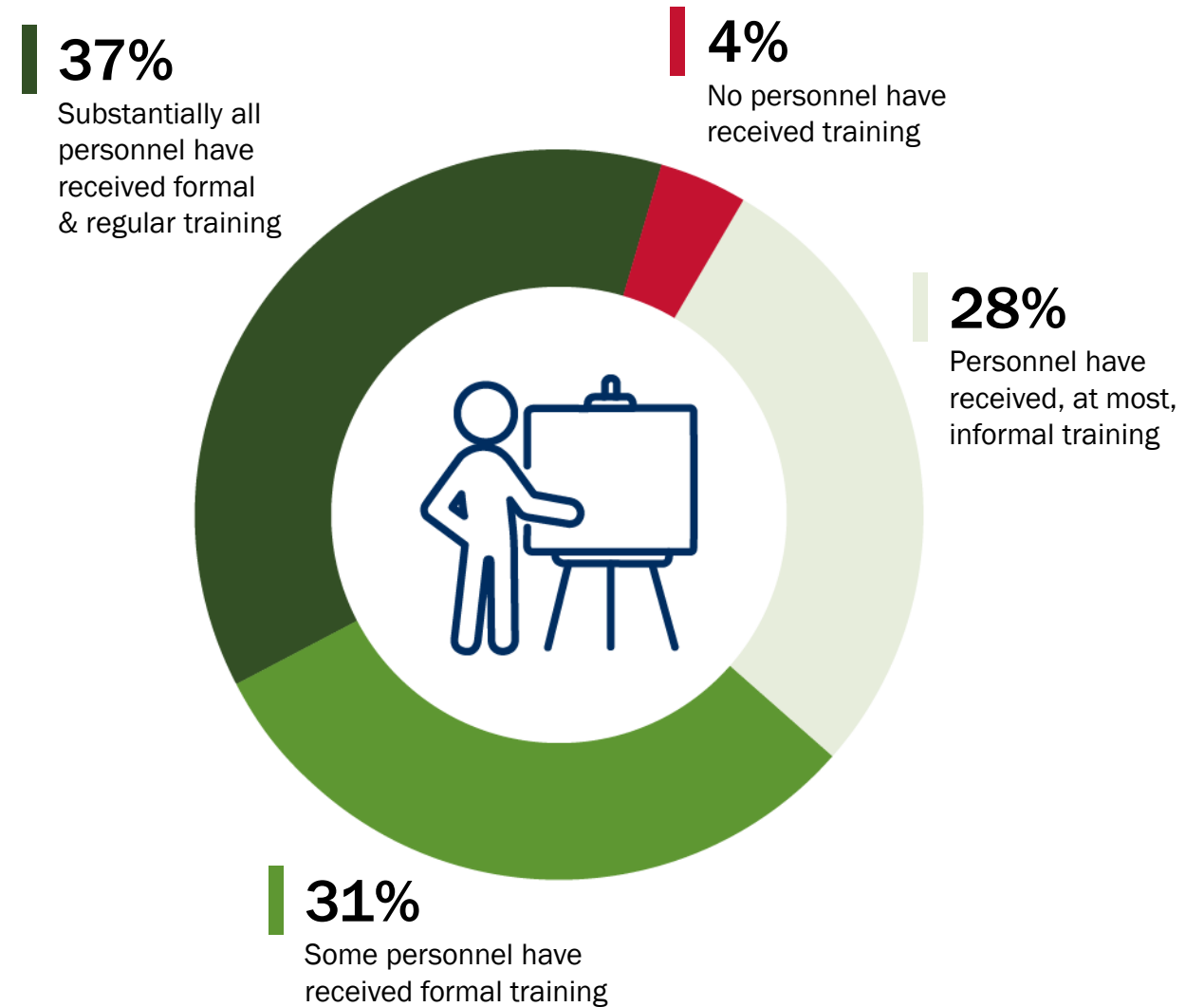


Training

Local public safety organizations characterize the extent and formality of their emergency communications training. Values are proportions of all local respondents.

BOTTOM LINE: Almost all public safety organizations provide training to their personnel, but more than a quarter only provide informal, on-the-job training.

WHY IT MATTERS: Formal and regular training ensures that emergency communications personnel build and maintain knowledge of communications equipment functionality and resource usage requirements at their agency.

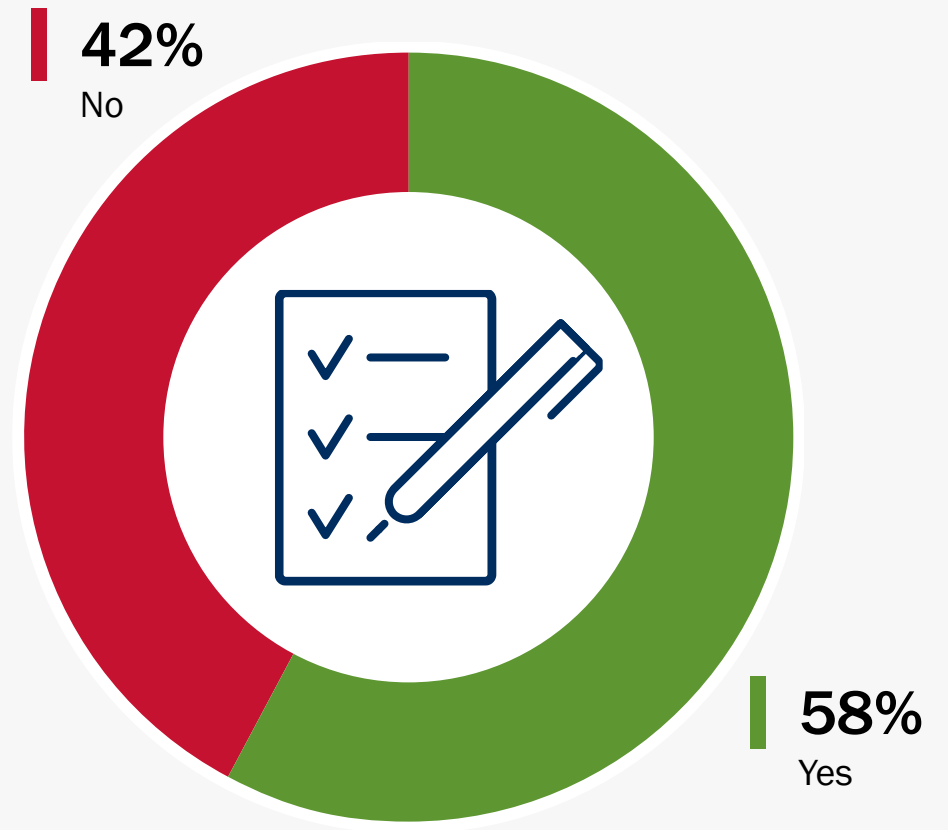


Training Evaluation

Local public safety organizations report whether emergency communications training is evaluated at their organization. Values are proportions of local respondents that provide emergency communications training.

BOTTOM LINE: Only slightly more than half of public safety organizations evaluate the effectiveness of their personnel training.

WHY IT MATTERS: Regular evaluation of the effectiveness of personnel training is crucial for identifying and filling gaps in personnel proficiency with emergency communications systems and procedures.

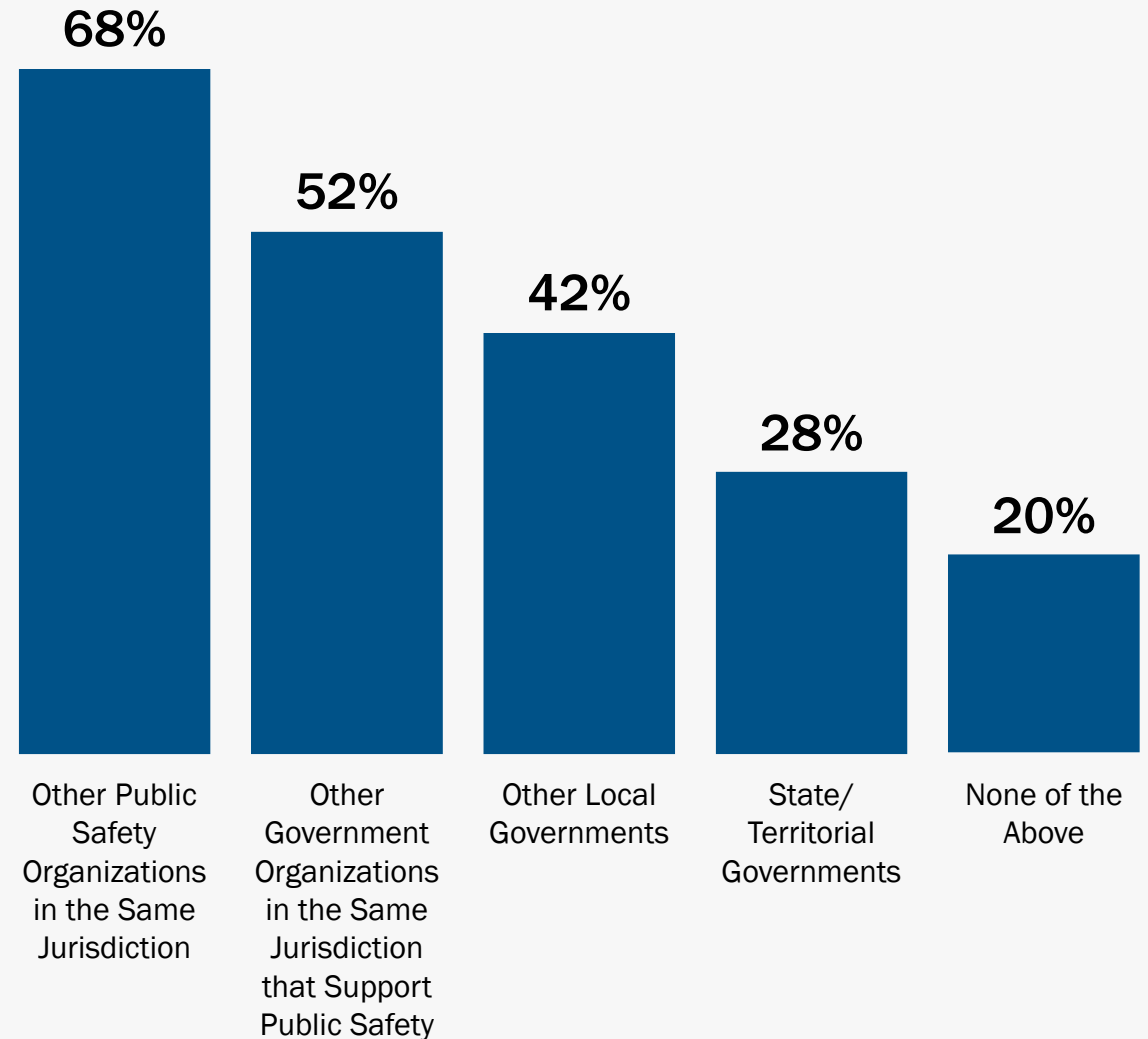


Training Participants

Local public safety organizations identify the other entities that are included in their emergency communications training. Values are proportions of local respondents that provide emergency communications training.

BOTTOM LINE: Among public safety organizations that provide training, more than three-quarters include outside personnel in their emergency communications training.

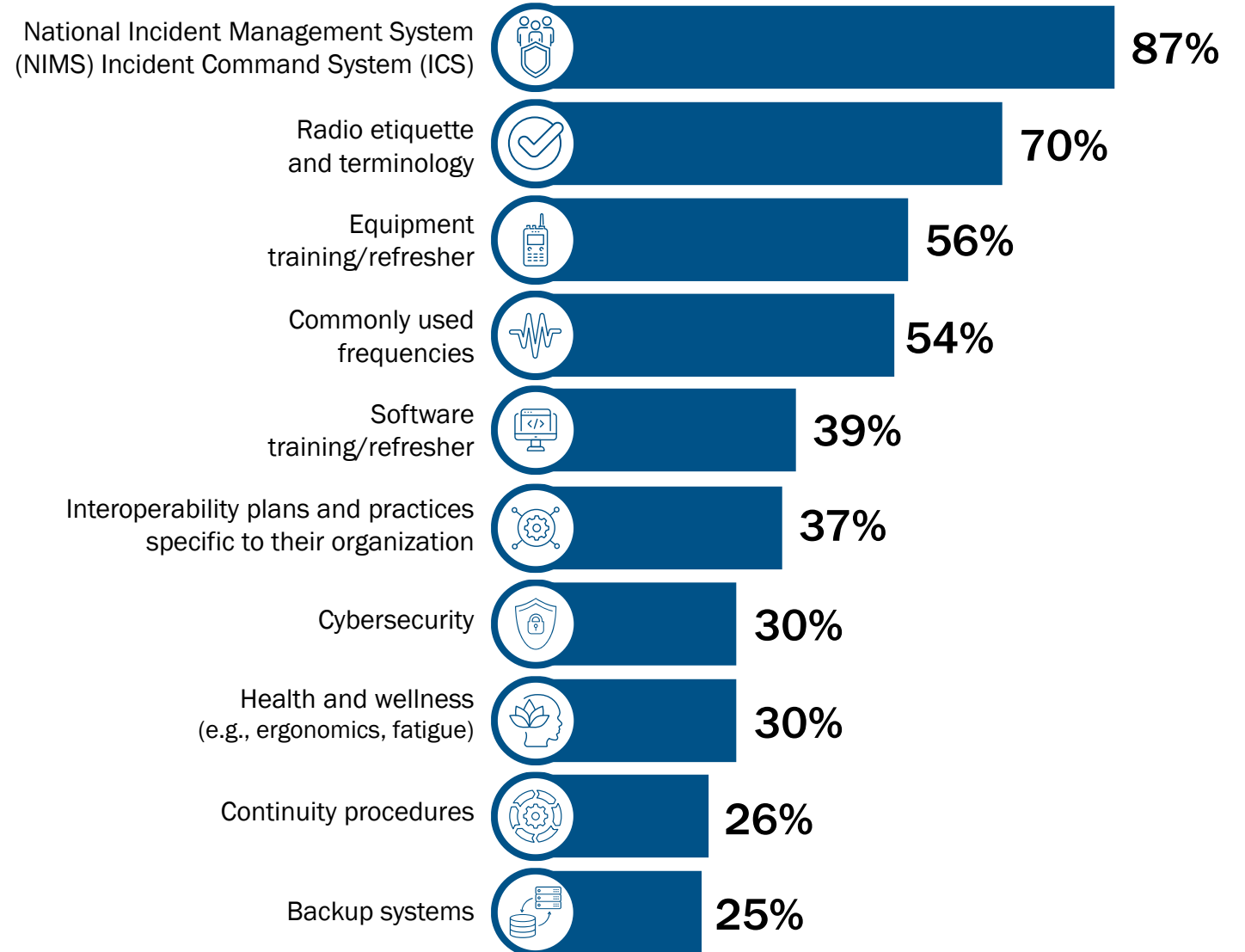
WHY IT MATTERS: Including outside agencies in emergency communications training ensures that public safety personnel are familiar with response partners and how to communicate with them when needed and authorized.



Training Topics

Local public safety organizations identify the topics included in their personnel training. Values are proportions of local respondents that provide emergency communications training.

BOTTOM LINE: Opportunities exist for public safety organizations nationwide to expand personnel training on resilience topics, including cybersecurity, continuity procedures, backup systems, and employee health and wellness.



Training Adequacy

Local public safety organizations state whether their personnel are adequately trained to achieve communications operability, interoperability, and continuity in day-to-day and out-of-the-ordinary situations. Values are proportions of all local respondents.

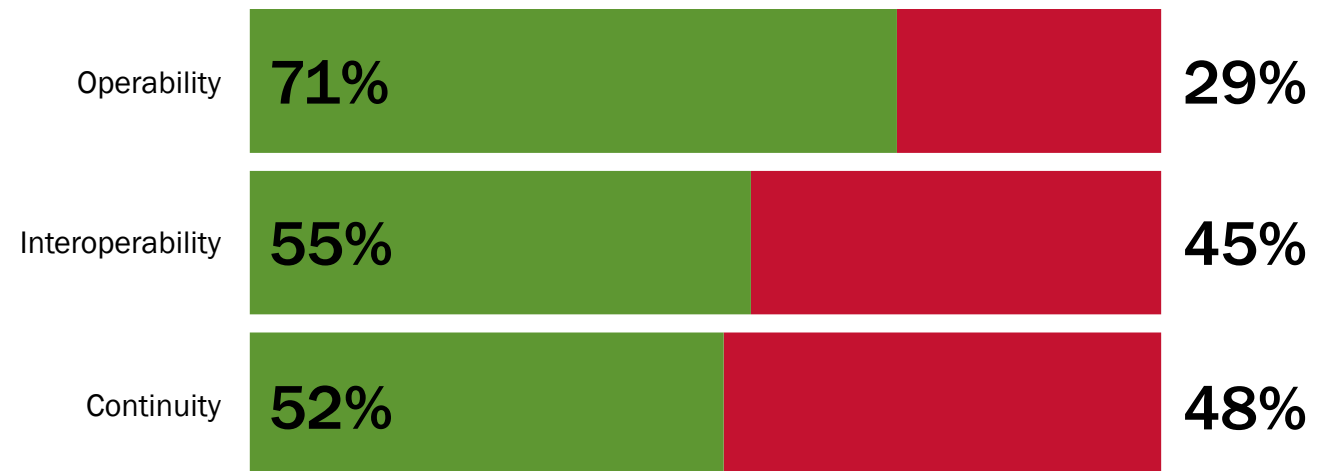
WHY IT MATTERS: It is difficult to design training for out-of-the-ordinary situations that are by nature unpredictable and unusual. Incorporating lessons learned from these events with regular evaluations of personnel training can help better prepare emergency communicators for the unexpected.



Day-to-Day Situations



Out-of-the-Ordinary Situations



Adequately Prepared

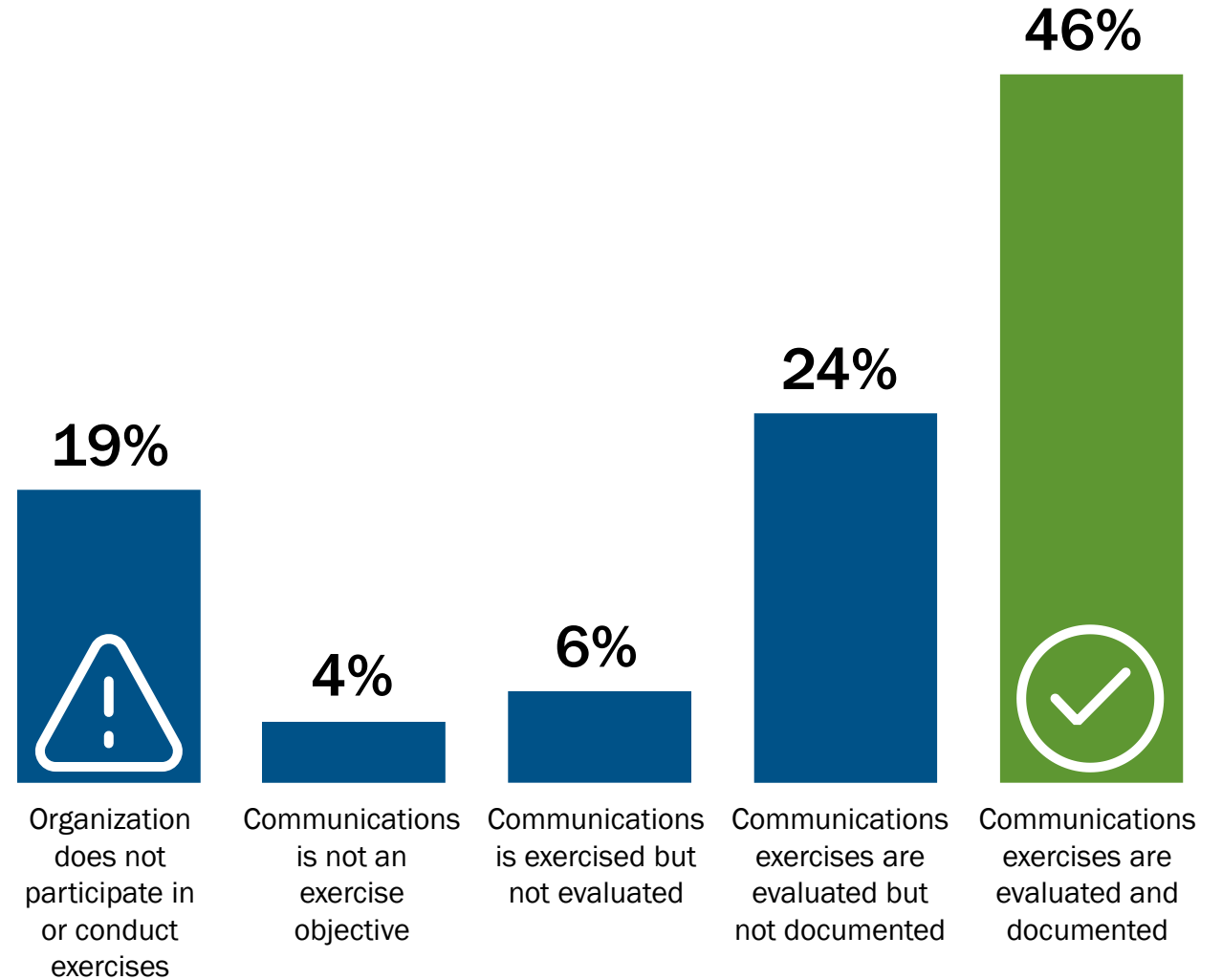
Not Adequately Prepared

Communications Exercises

Local public safety organizations characterize their agency's communications exercise posture. Values are proportions of all local respondents.

BOTTOM LINE: Only about one-half of public safety organizations evaluate and document communications exercise outcomes.

WHY IT MATTERS: Lessons learned from exercises can only be leveraged for policy and program improvements if communications outcomes are objectively evaluated and documented.

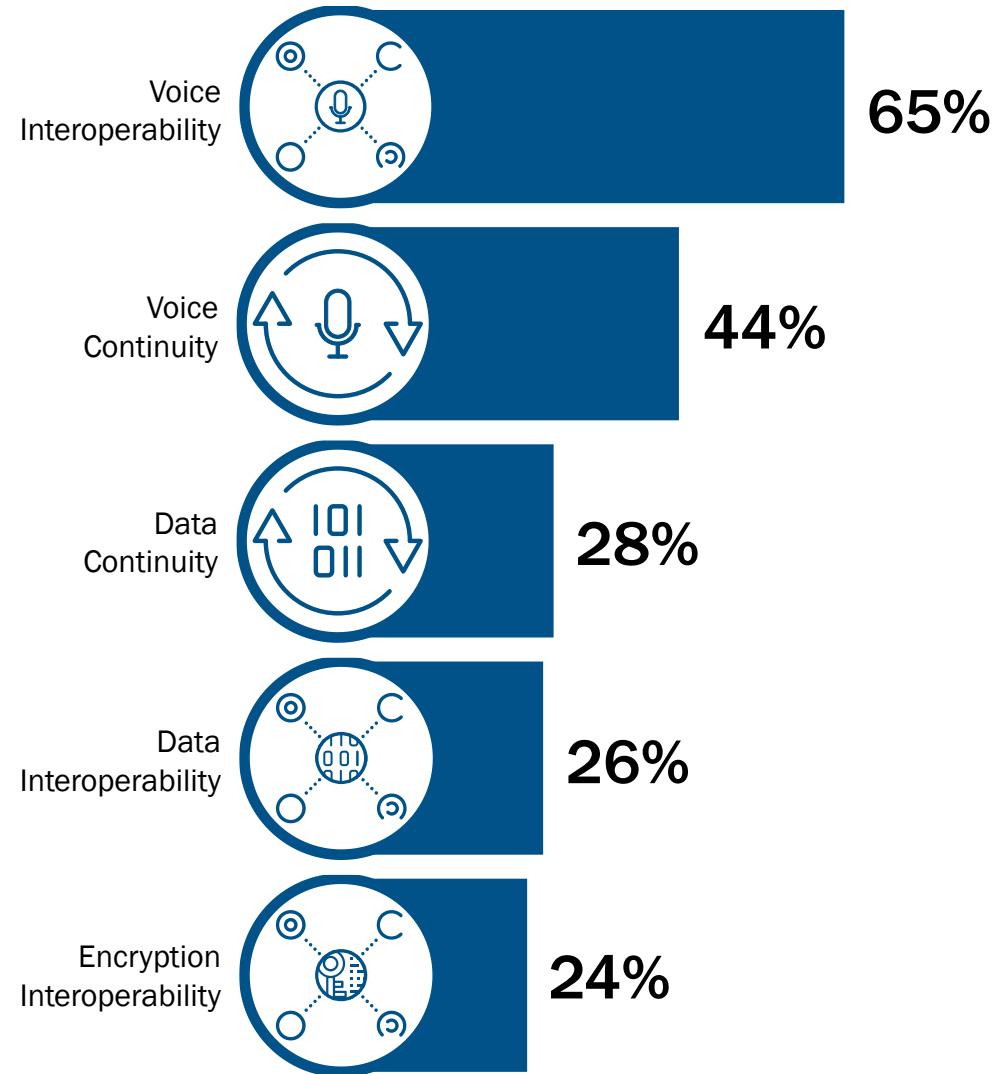


Capabilities Included in Exercises

Local public safety organizations identify the capabilities included in their communications exercises. Values are proportions of local respondents whose organization participates in or conducts exercises.

BOTTOM LINE: Only about one-quarter of public safety organizations exercise their data and encryption interoperability capabilities, and less than one-half exercise voice or data continuity.

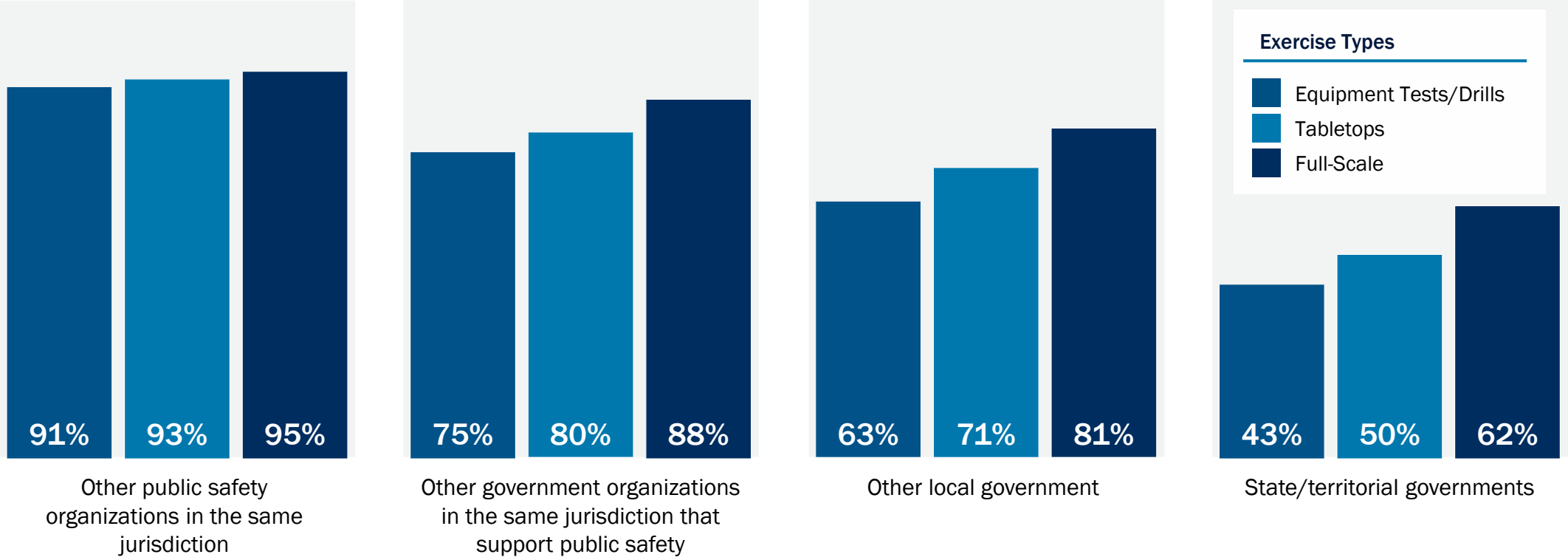
WHY IT MATTERS: Exercises allow organizations to identify and correct communications failures in a safe, controlled environment. Exercises are especially important for alternate and backup capabilities that are not regularly used.



Exercise Partnerships

Local public safety organizations identify the other entities with which they participate in emergency communications focused exercises. Values are proportions of local respondents whose organization participates in or conducts each type of exercise.

BOTTOM LINE: Public safety organizations almost always exercise with other public safety agencies in their jurisdictions. Other local governments and state agencies more often participate in ambitious full-scale exercises.

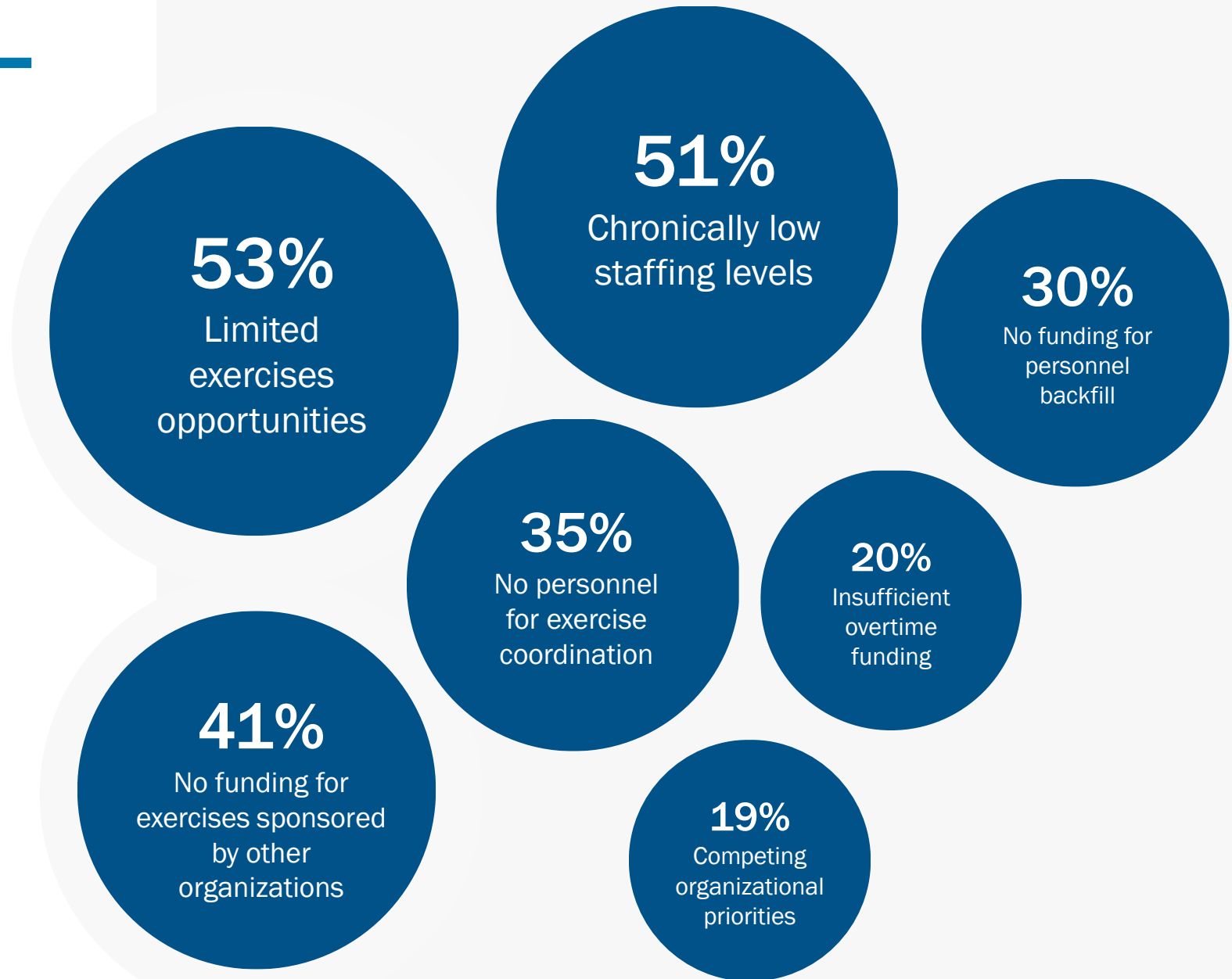


Exercise Barriers

Local public safety organizations characterize the challenges that prevent their organization from participating in or conducting exercises. Values are proportions of local respondents whose organization neither participates in nor conducts exercises.

BOTTOM LINE: Insufficient funding and personnel shortages prevent many public safety organizations from participating in exercises.

WHY IT MATTERS: Exercises allow organizations to identify and correct communications failures in a safe, controlled environment. Exercises are especially important for alternate and backup capabilities that are not regularly used.



Exercise Adequacy

Local public safety organizations state whether exercises have adequately prepared their personnel to achieve communications operability, interoperability, and continuity in day-to-day and out-of-the-ordinary situations. Values are proportions of all local respondents.

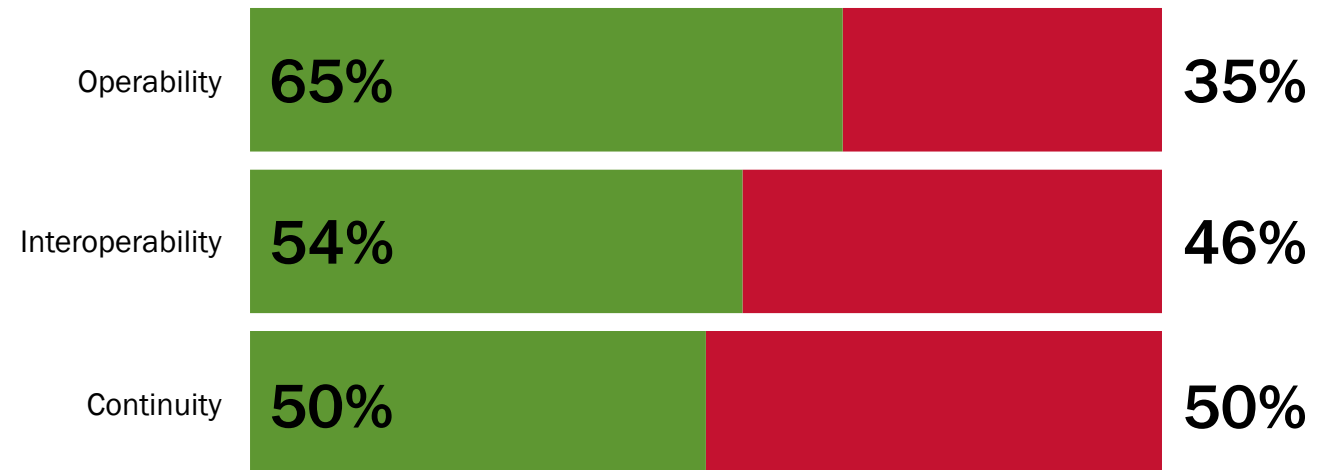
WHY IT MATTERS: In order to improve communications outcomes during actual incidents or planned events, exercises should be objectively assessed and documented. Documenting gaps revealed by exercises and assigning responsibility for addressing identified gaps can help better prepare emergency communicators for the unexpected.



Day-to-Day Situations



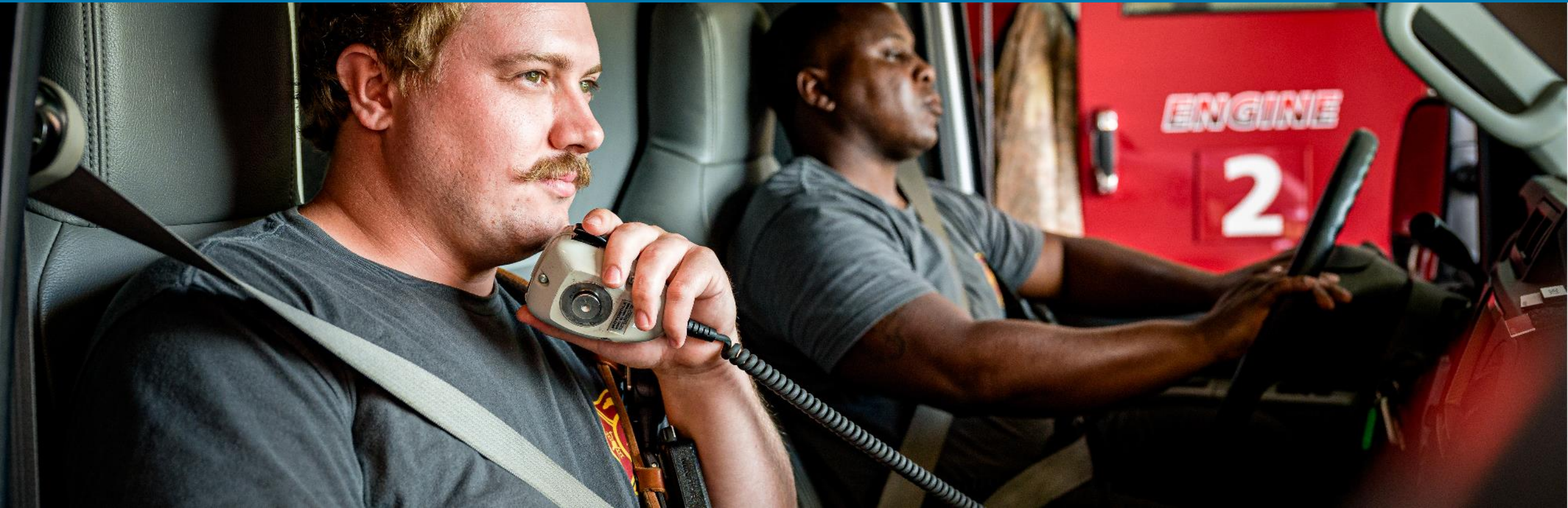
Out-of-the-Ordinary Situations



Adequately Prepared

Not Adequately Prepared

USAGE

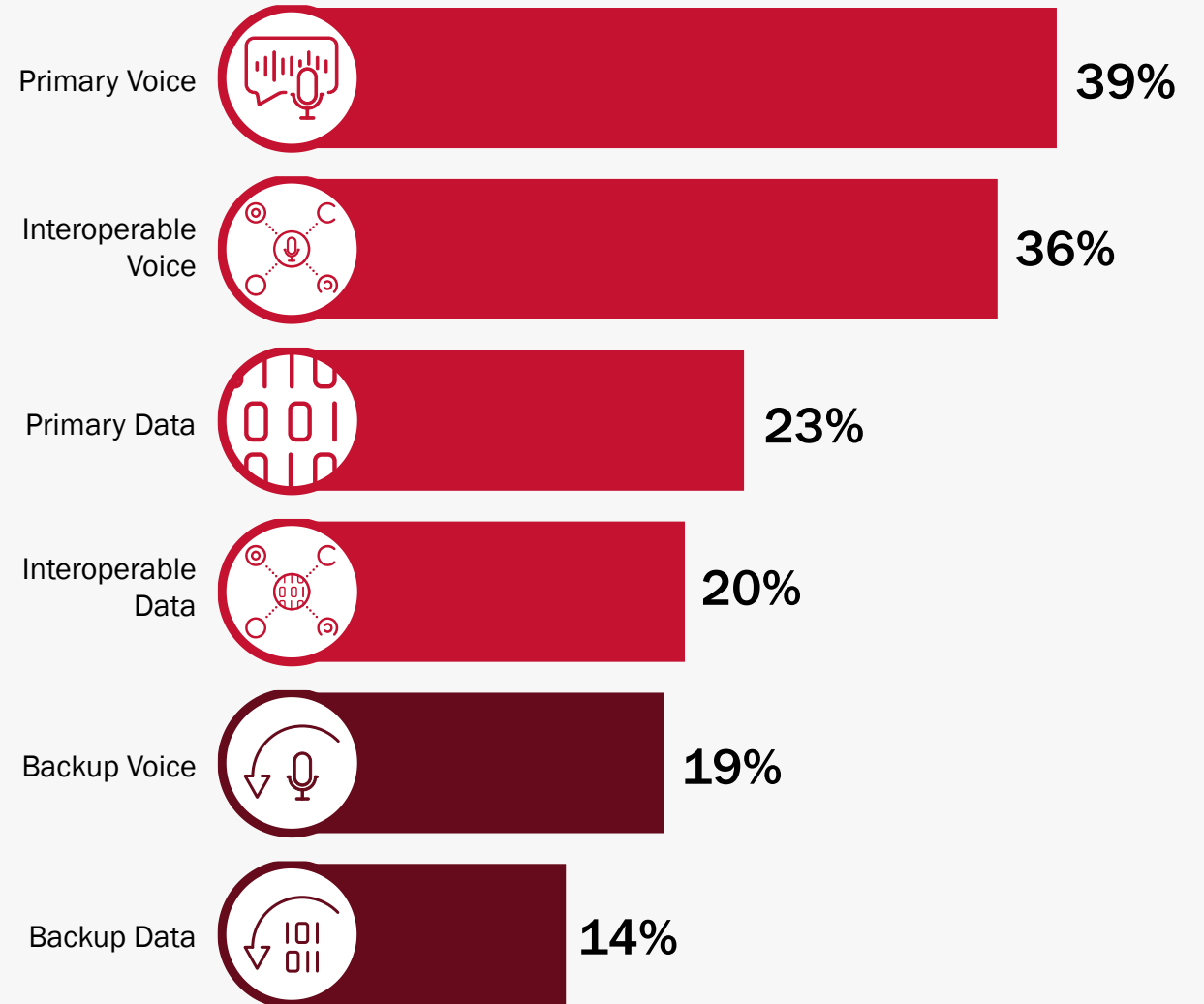


Regular Communication with Other Organizations

Local public safety organizations characterize the extent to which they regularly use their communications capabilities to communicate with personnel outside their organization. Values are proportions of all local respondents.

BOTTOM LINE: Most public safety organizations do not regularly use their interoperable voice or data capabilities to communicate with personnel outside their organization.

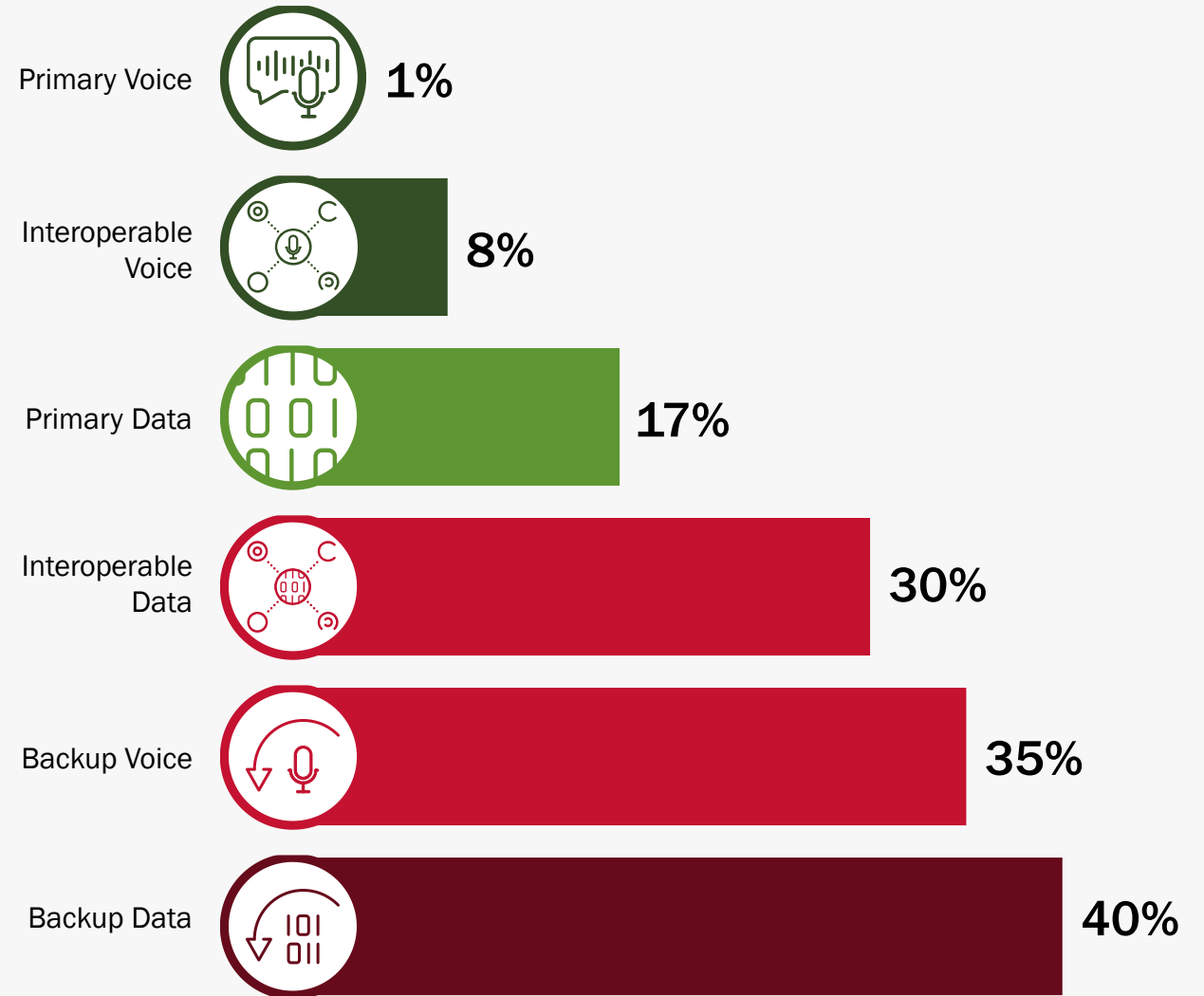
WHY IT MATTERS: Developing muscle memory by regularly using interoperable capabilities to communicate with other agencies is critical for ensuring that personnel can establish communications during high-stress incident response situations.



Capability Gaps

Local public safety organizations identify the communications capabilities their agency does not use. Values are proportions of all local respondents.

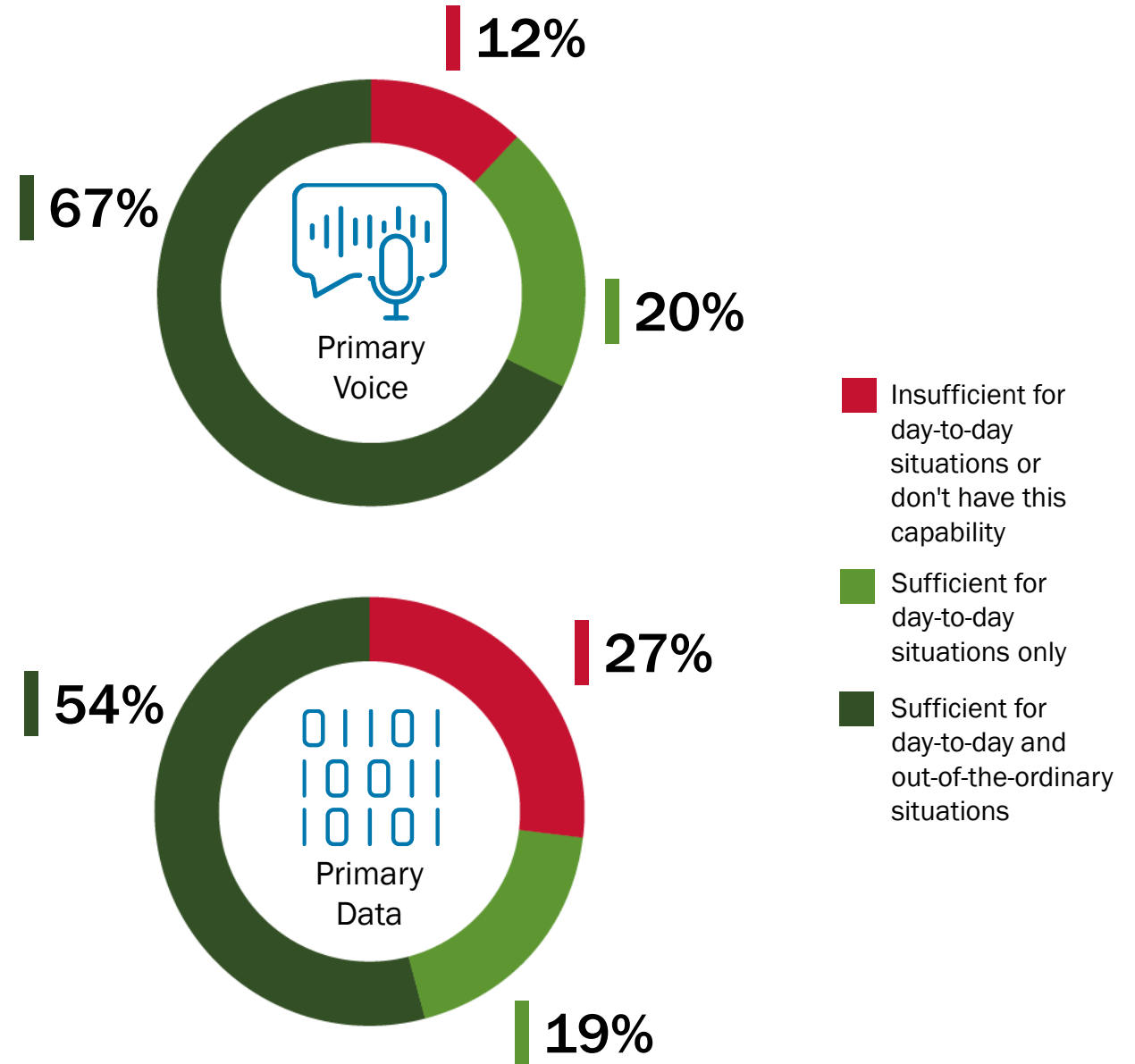
BOTTOM LINE: More than one-third of public safety organizations lack backup voice and/or data capabilities, making them vulnerable to communications disruptions in the event of a primary system failure.



Primary Voice and Data Resource Capacity

Local public safety organizations characterize the resource capacity of their organization's primary voice and data communications capabilities. Values are proportions of all local respondents.

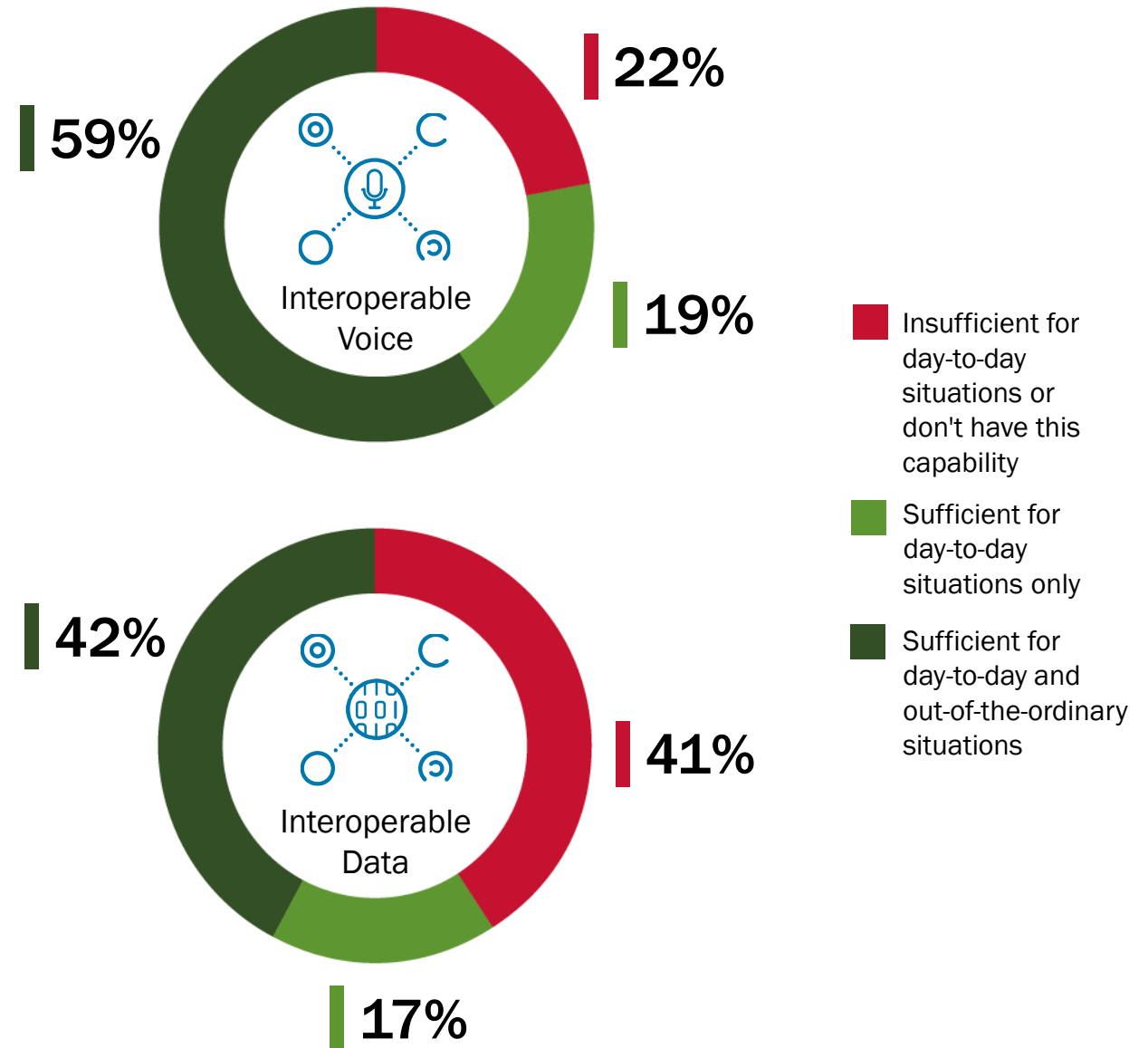
BOTTOM LINE: More than one-quarter of public safety organizations either lack primary data capabilities or have insufficient primary data capacity to support day-to-day operations.



Interoperable Voice and Data Resource Capacity

Local public safety organizations characterize the resource capacity of their organization's interoperable voice and data communications capabilities. Values are proportions of all local respondents.

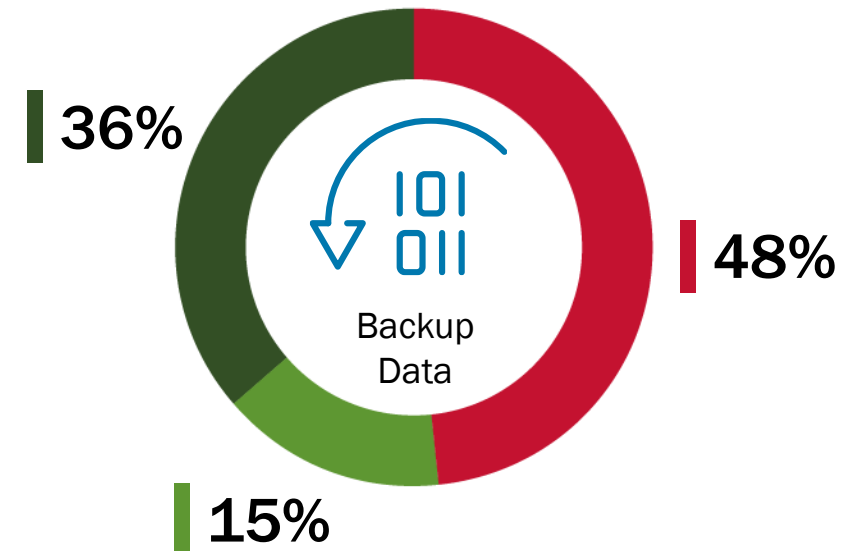
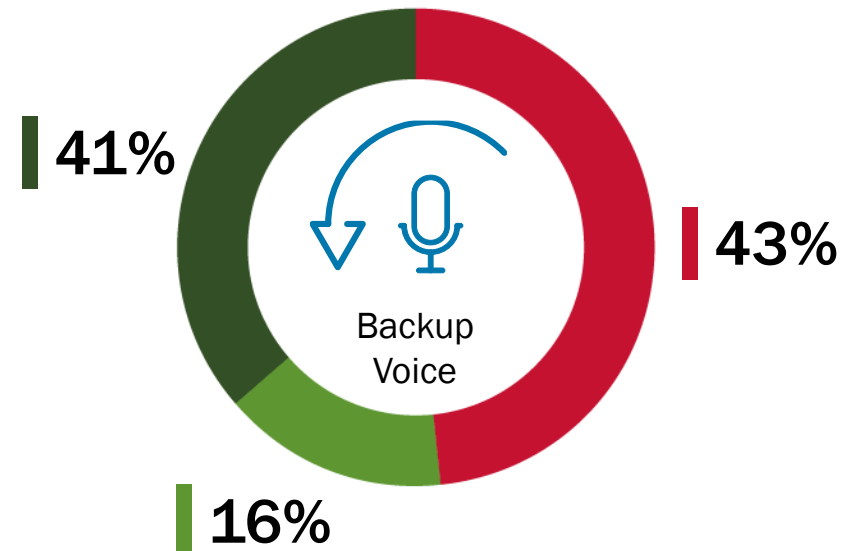
BOTTOM LINE: Almost half of public safety organizations either lack interoperable data capabilities or have insufficient interoperable data capacity to support day-to-day operations.



Backup Voice and Data Resource Capacity

Local public safety organizations characterize the resource capacity of their organization's backup voice and data communications capabilities. Values are proportions of all local respondents.

BOTTOM LINE: More than one-half of public safety organizations have insufficient backup voice and data capacities to support communications needs during out-of-the-ordinary situations.



- Insufficient for day-to-day situations or don't have this capability
- Sufficient for day-to-day situations only
- Sufficient for day-to-day and out-of-the-ordinary situations

Personnel Proficiency

Local public safety organizations describe their personnel's proficiency at achieving communications operability, interoperability, and continuity in day-to-day and out-of-the-ordinary situations. Values are proportions of all local respondents.

BOTTOM LINE: Most public safety organizations report that their personnel are proficient at establishing and maintaining interoperable communications during day-to-day situations.

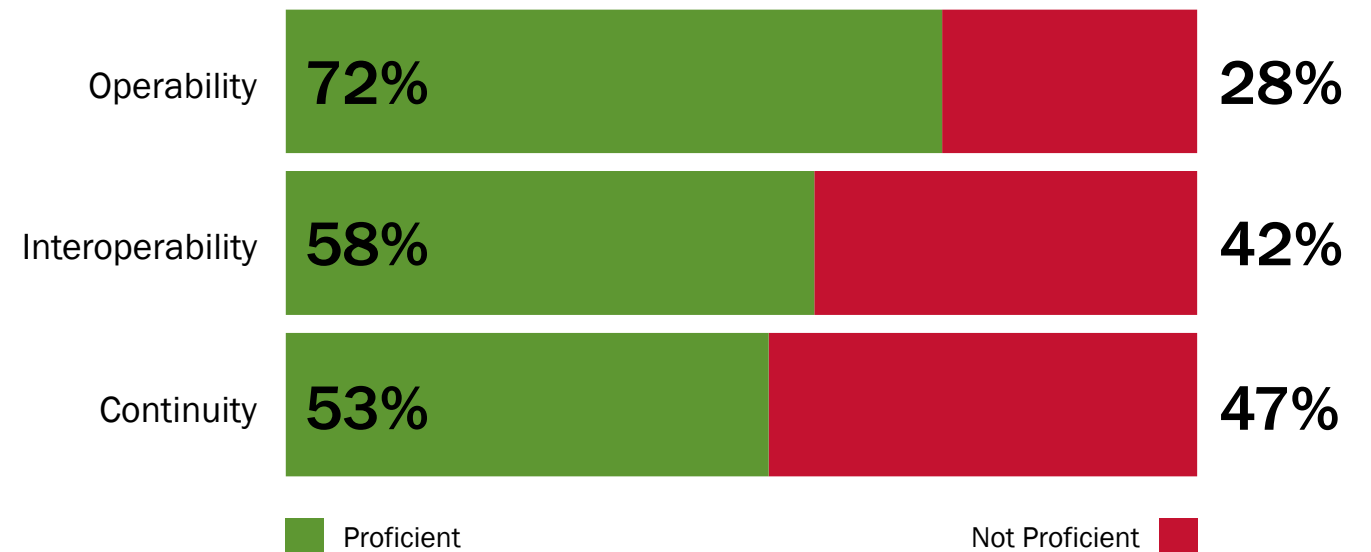
WHY IT MATTERS: Personnel proficiency is developed and maintained through training, exercises, and regular use of equipment. It is challenging to become proficient for out-of-the-ordinary situations, which are unpredictable, unusual, and difficult to simulate.



Day-to-Day Situations



Out-of-the-Ordinary Situations

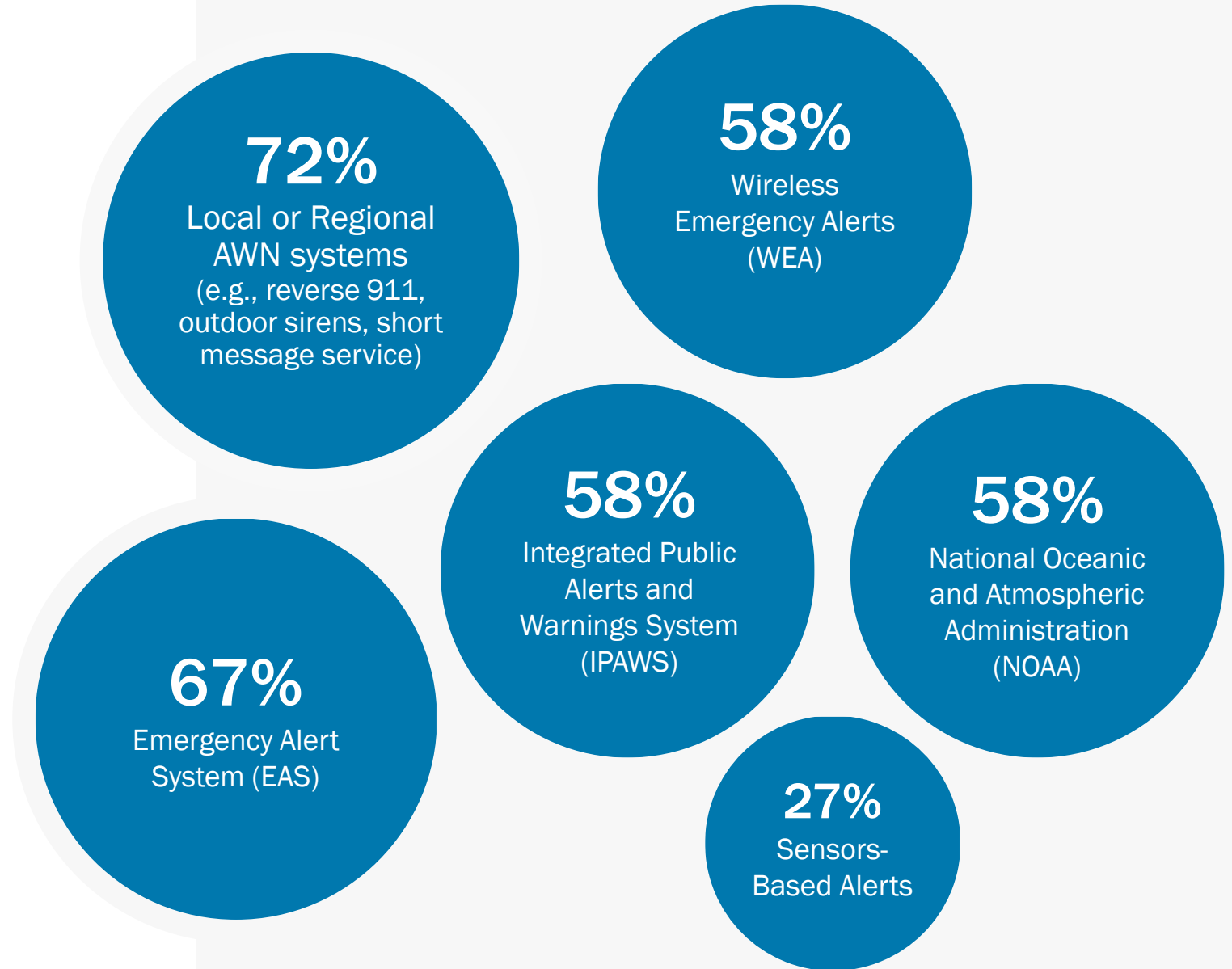


Alerts & Warnings

Local public safety organizations identify the Alerts, Warnings, and Notifications (AWN) systems with which they either originate or respond to messages. Values are proportions of all local respondents.

BOTTOM LINE: Almost three-quarters of public safety organizations utilize some type of public alert, warning, or notification system to either originate or respond to messages.

WHY IT MATTERS: AWN systems are a primary means by which public safety organizations can rapidly share crucial emergency information with the public.



COVID-19 IMPACT

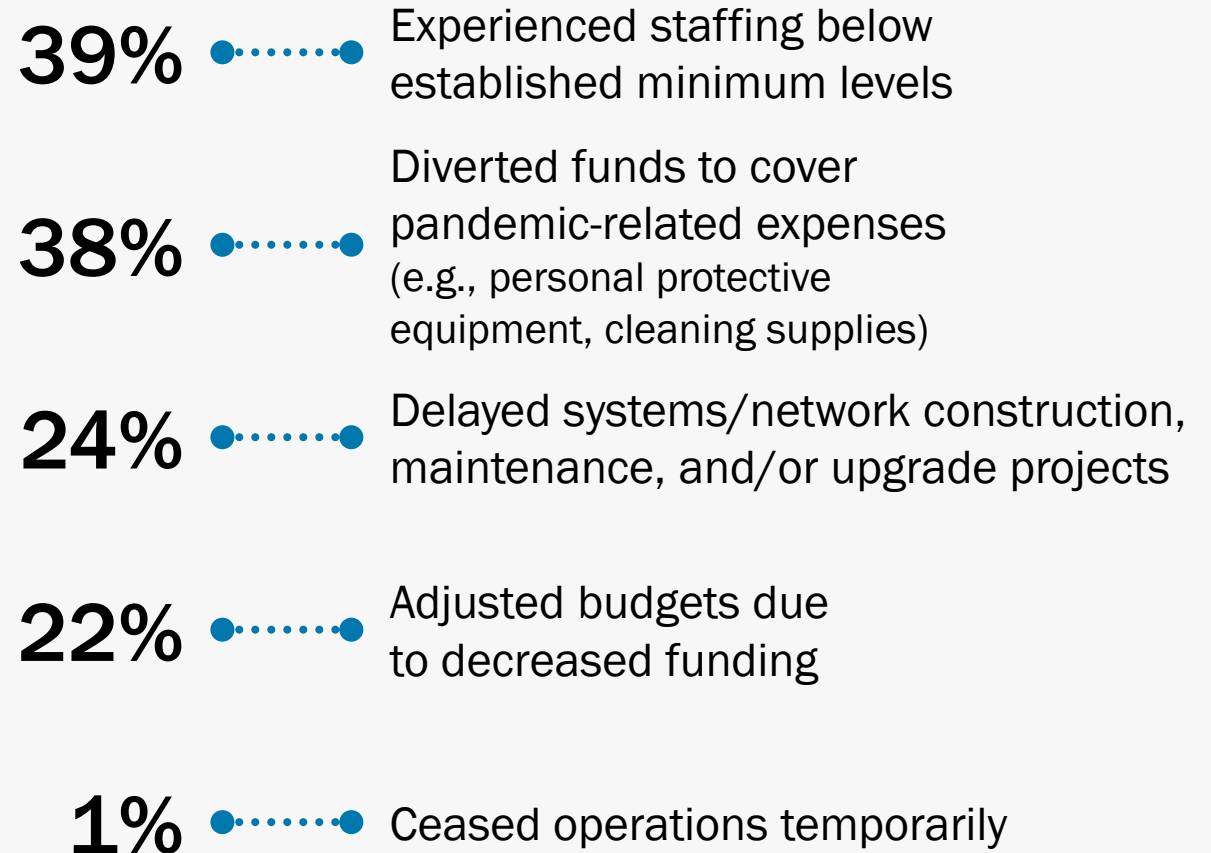


Impacts of COVID-19 on Emergency Communications

Local public safety organizations characterize the impacts on their organization's communications capabilities resulting from the COVID-19 pandemic. Values are proportions of all local respondents.

BOTTOM LINE: Many public safety organizations across the nation experienced reduced or reprioritized funding and severe personnel shortages during the COVID-19 pandemic (c. 2020-2023).

WHY IT MATTERS: Survey results underestimate the true impacts of COVID-19 because organizations that permanently closed during the pandemic were not available to participate in the survey. This systematic underestimation is called "survivorship bias."

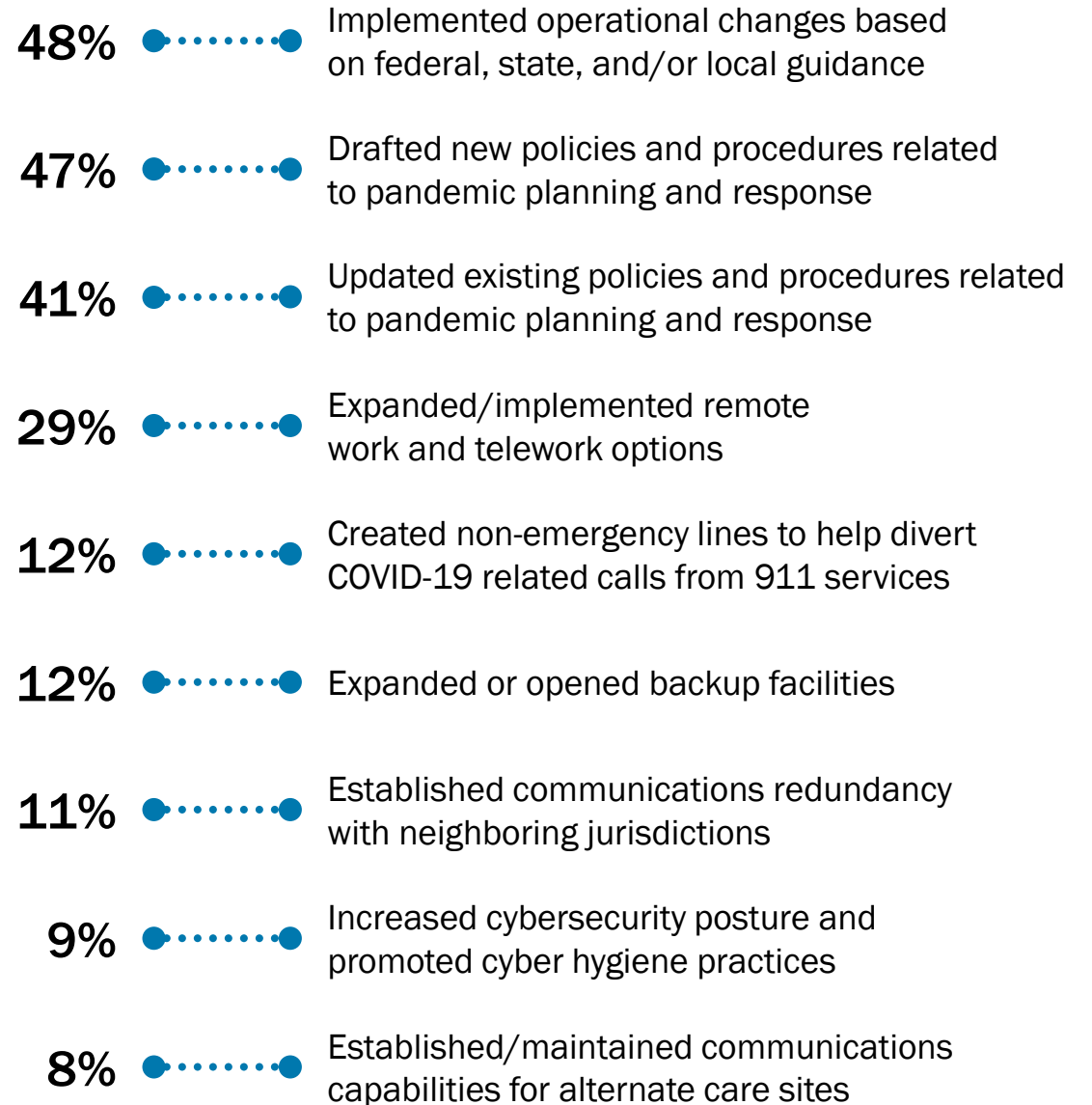


Emergency Communications Responses to COVID-19

Local public safety organizations identify the operational changes their organization adopted in response to COVID-19. Values are proportions of all local respondents.

BOTTOM LINE: Public safety organizations used many innovative strategies to respond to the COVID-19 pandemic (c. 2020-2023) and prevent interruptions to the critical services they provide.

WHY IT MATTERS: Almost all public safety organizations continued operating throughout the COVID-19 pandemic. Emergency communicators demonstrated remarkable resilience in the face of increased demands for their critical services, despite funding and personnel impacts from COVID-19.



LEVEL OF IMPROVEMENT



Strengthening Emergency Communications, 2018-2023

Local public safety organizations describe their level of improvement in strengthening emergency communications from 2018 to 2023. Values reflect trends from all local respondents across communications operability, interoperability, and continuity.

BOTTOM LINE: In 2023, almost all public safety organizations reported that their emergency communications were as strong or stronger than they were in 2018.

WHY IT MATTERS: Emergency communicators demonstrated incredible resilience in the face of increased demands for their critical services from 2018 to 2023, despite persistent nationwide funding and personnel shortages.

Significant Improvement since 2018

15%

Some Improvement since 2018

45%

Maintained since 2018

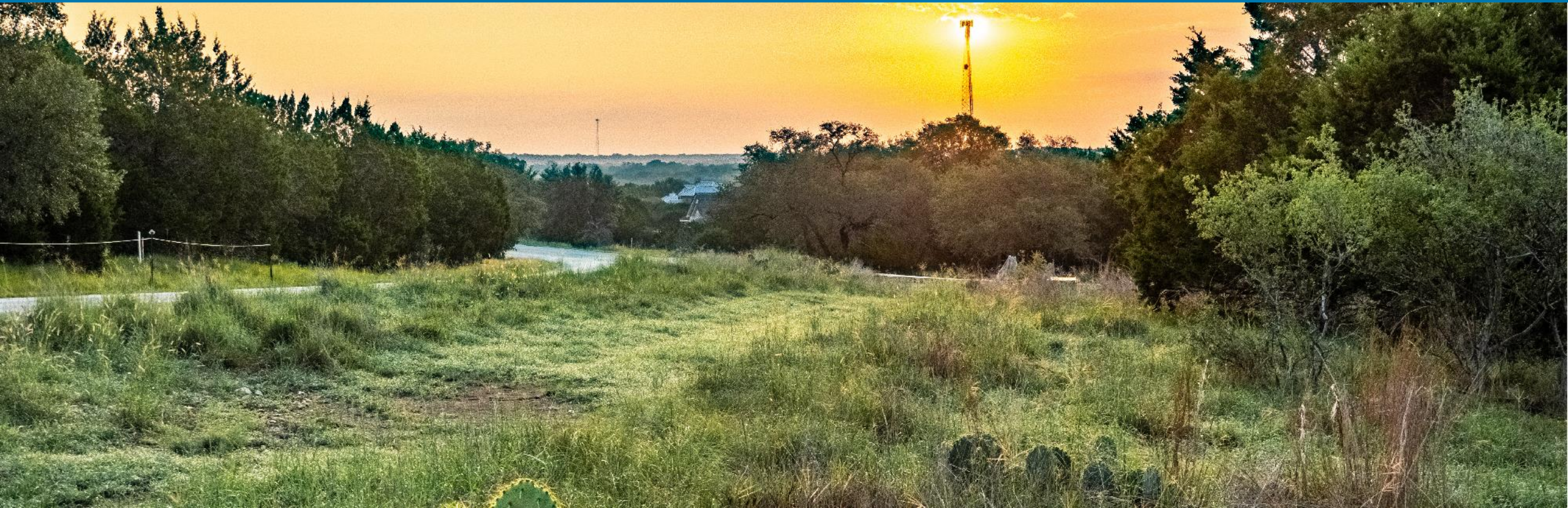
35%

Regressed since 2018

5%



LOCAL-TRIBAL PARTNERSHIP



Local-Tribal Partnership



- **Tribal nations are critical partners** for county and municipal public safety agencies across the nation.
- **National-level results understate partnerships** between tribal nations and local public safety organizations, as not all survey respondents are located in states or regions adjacent to tribal jurisdictions.
- This analysis presents a **more accurate depiction of local public safety agencies' partnerships with tribes** by focusing only on respondents with opportunities to partner with a tribal government or organization.
- SAFECOM Nationwide Survey (SNS) results indicate a **need for more proactive engagement by local public safety organizations** with their tribal partners.

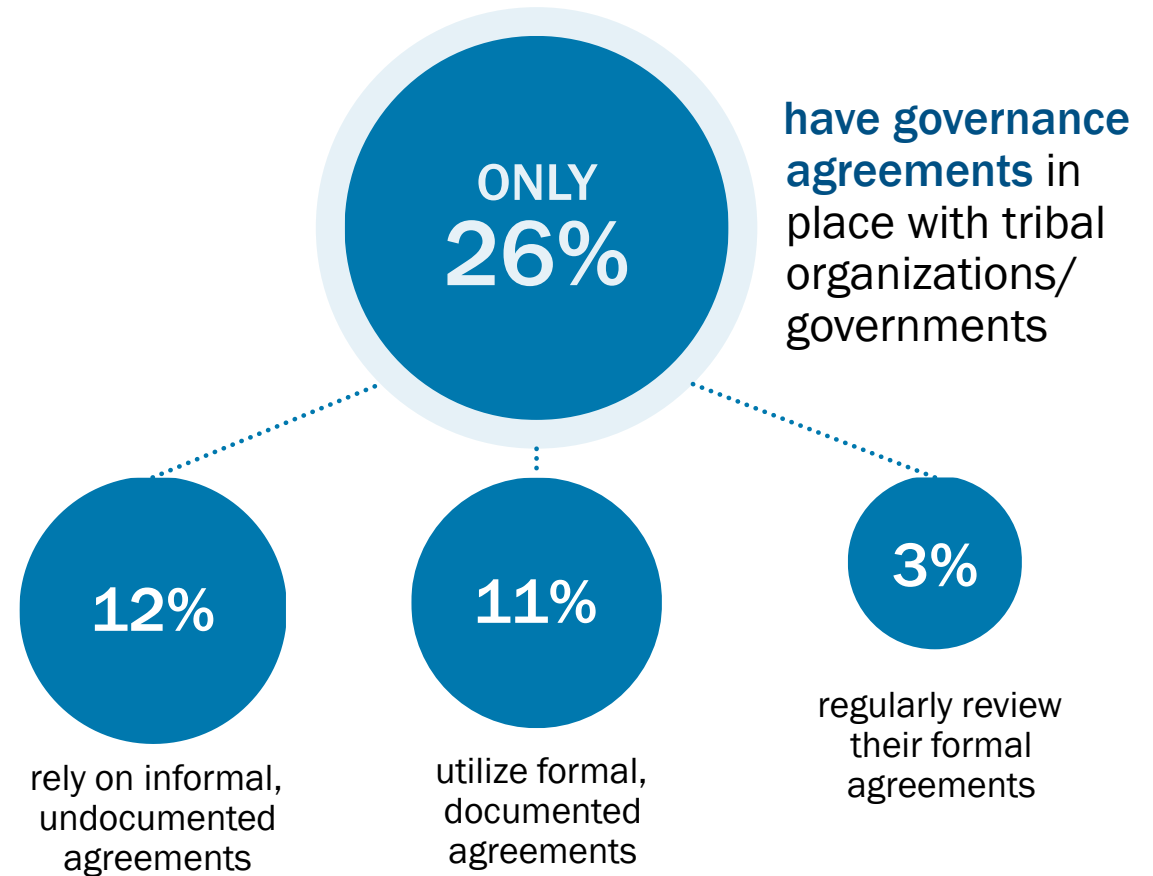


Partnership with Tribes: Governance

Local public safety organizations describe their collaborative governance efforts with tribal partners. Values are proportions of local respondents that indicated an opportunity to partner with tribal governments or organizations in their locality or region.

BOTTOM LINE: Only one-quarter of public safety organizations with nearby tribal partners have governance agreements in place with those partners.

WHY IT MATTERS: Governance agreements define and support jurisdictional authority, mutual aid, resource sharing, and other means by which local public safety organizations and their tribal counterparts can support one another and the people they serve.



Partnership with Tribes: Strategic Planning

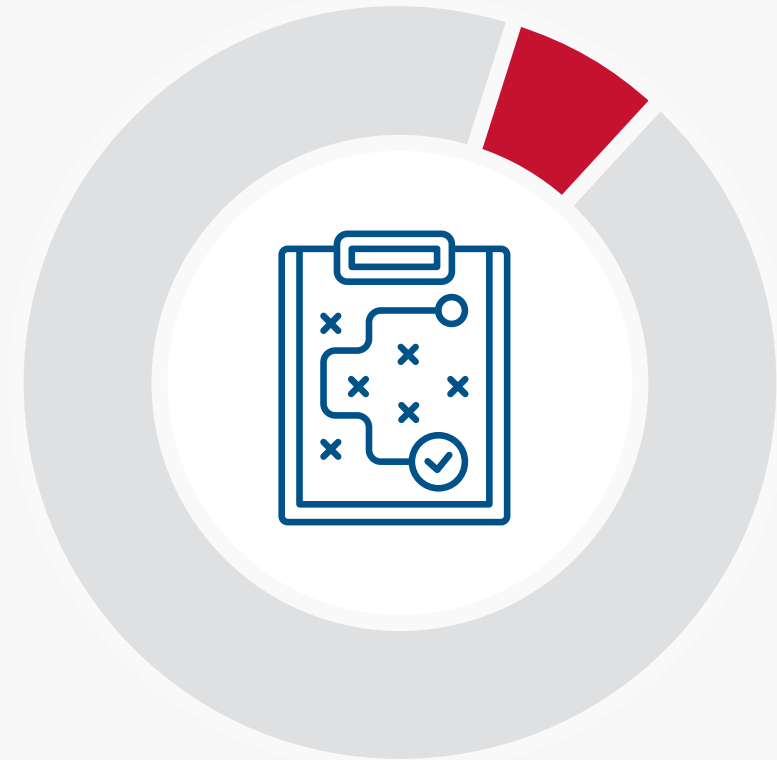
Local public safety organizations characterize their strategic planning practices with tribal partners. Values are proportions of local respondents that indicated an opportunity to partner with tribal governments or organizations in their locality or region.

BOTTOM LINE: Few public safety organizations engage tribal partners in their strategic planning.

WHY IT MATTERS: Robust strategic planning partnerships ensure that organizational decisions effectively support secure, resilient, and interoperable communication between local public safety organizations and their tribal counterparts.



SAFECOM®



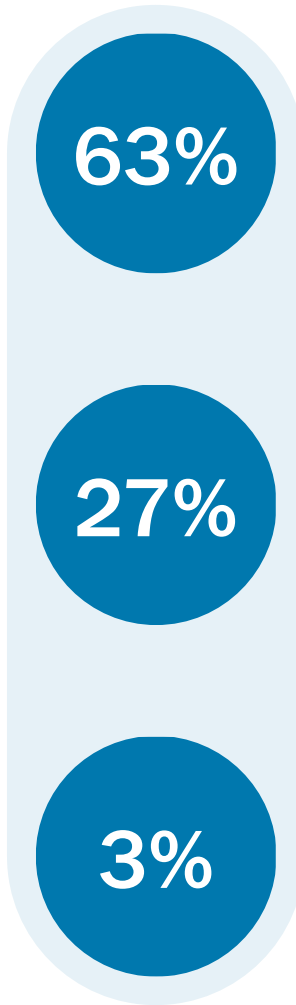
Only 7% of local public safety organizations engage in **strategic planning with tribal partners**

Partnership with Tribes: Standardized Procedures

Local public safety organizations describe the Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs) they have with tribal partners. Values are proportions of local respondents that indicated an opportunity to partner with tribal governments or organizations in their locality or region.

BOTTOM LINE: Almost all public safety organizations with nearby tribes have formal or informal policies and procedures in place to support communications with tribal partners.

WHY IT MATTERS: Standardizing practices with tribal partners can help local public safety personnel consistently and uniformly engage their tribal counterparts in a way that respects and supports tribal sovereignty.



of local public safety organizations with SOPs/SOGs **have informal policies/procedures** in place with tribes

have formal policies/procedures in place to **enable interoperable communication** with tribes

have processes in place for SOP/SOG development that **ensure consistency** with tribal responders



Partnership with Tribes: Training & Exercises

Local public safety organizations describe their agency's training and exercise participation with tribal partners. Values are proportions of local respondents that indicated an opportunity to partner with tribal governments or organizations in their locality or region.

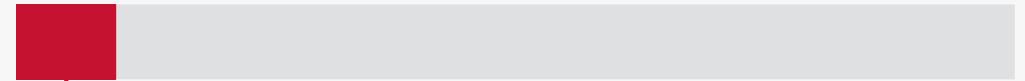
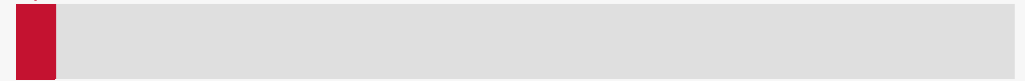
BOTTOM LINE: Few public safety organizations with nearby tribes include their tribal partners in communications training and exercises.

WHY IT MATTERS: Public safety organizations are missing precious opportunities to use training and exercises to improve their ability to establish communications with tribal partners during planned events and incidents.



ONLY
4%

of local public safety organizations **train with tribal partners**



ONLY
10%

of local public safety organizations **exercise with tribal partners**

LOCAL-FEDERAL PARTNERSHIP

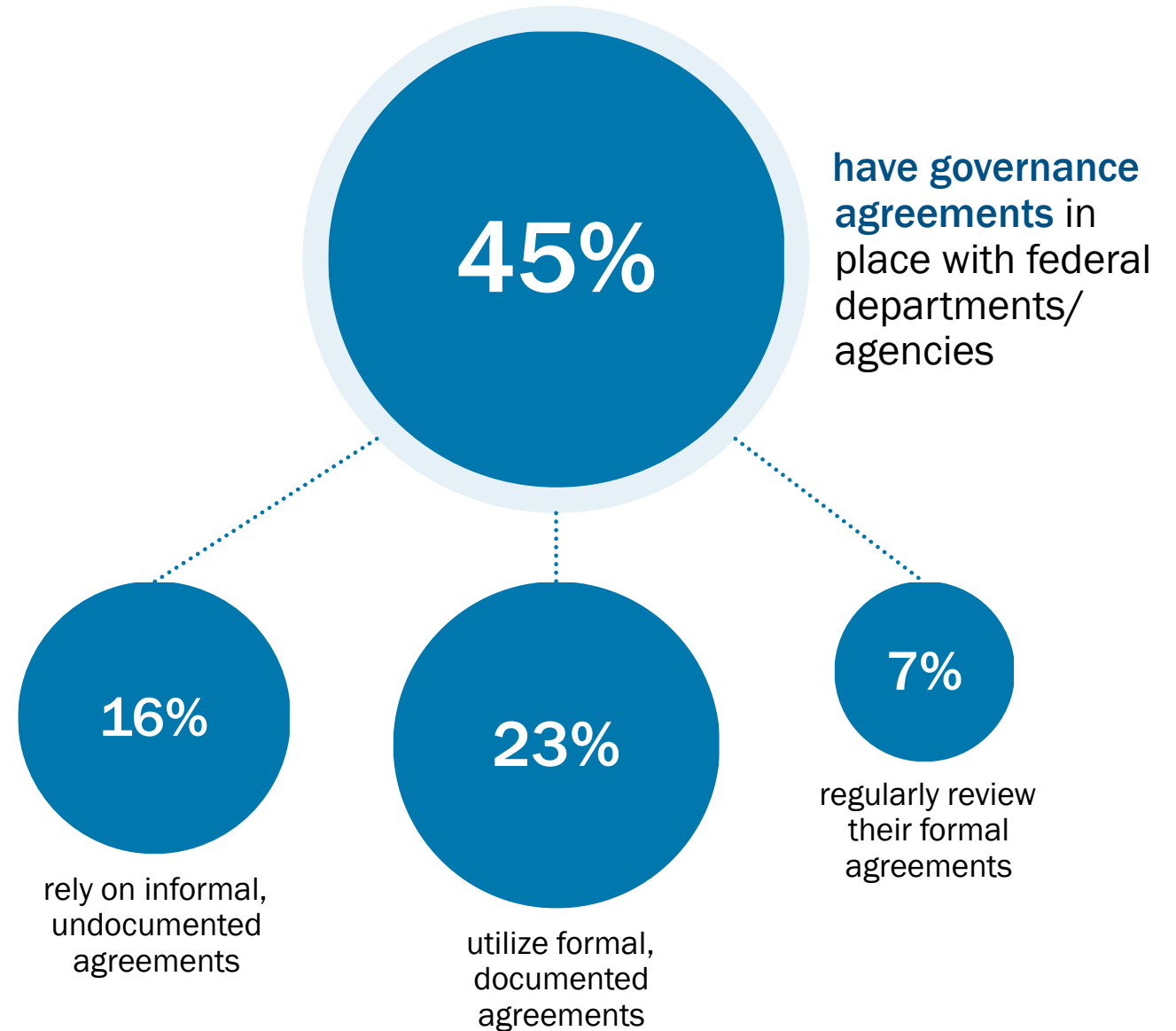


Federal Partnership: Governance

Local public safety organizations describe their collaborative governance efforts with federal partners. Values are proportions of all local respondents.

BOTTOM LINE: Almost half of local public safety organizations have governance agreements in place with federal partners. Most of these agreements are formal and documented.

WHY IT MATTERS: Governance agreements define and support jurisdictional authority, mutual aid, resource sharing, and other means by which federal departments and agencies can support local public safety organizations and their incident communications capabilities.



Federal Partnership: Strategic Planning

Local public safety organizations characterize their strategic planning practices with federal departments and agencies. Values are proportions of all local respondents.

WHY IT MATTERS: Strategic planning partnerships ensure that organizational decisions effectively support secure, resilient, and interoperable communication between local public safety organizations and their federal incident response partners.



Only 11% of local public safety organizations **engage in strategic planning with federal partners**

Federal Partnership: Standardized Procedures

Local public safety organizations describe the Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs) they have with federal departments and agencies. Values are proportions of all local respondents.

WHY IT MATTERS: Standardized policies and procedures can help local public safety organizations establish and maintain communications with federal incident response partners as needed and authorized.



Only one in four local public safety organizations leverage formal policies to **enable interoperable communication** with federal partners

Federal Partnership: Communications Exercises

Local public safety organizations describe their agency's exercise participation with federal departments and agencies. Values are proportions of all local respondents.

BOTTOM LINE: Only about one in four public safety organizations participate in emergency communications exercises with federal partners.

WHY IT MATTERS: Local public safety organizations and their federal partners are missing opportunities to identify and correct communications failures in a safe, controlled environment. Exercises that include local, state, and federal participants are especially important for evaluating and strengthening communications interoperability.



SAFECOM®

ONLY
15-30%

of local public safety organizations **exercise with federal partners**

Federal departments/
agencies are most often
included in comprehensive
full-scale exercises (30%)
and least often included in
equipment tests/drills (15%)

**For more information visit:
cisa.gov/sns**