

Public Health and Healthcare Preparedness: A National Overview of Current Capabilities and Strategies for Moving Forward

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Presentation Outline

- **Capabilities Planning Guide Background**
- **National Overview of Current Capabilities**
- **Application and Budget Information**
- **Strategies for Moving Forward**

Public Health and Healthcare Preparedness Capabilities

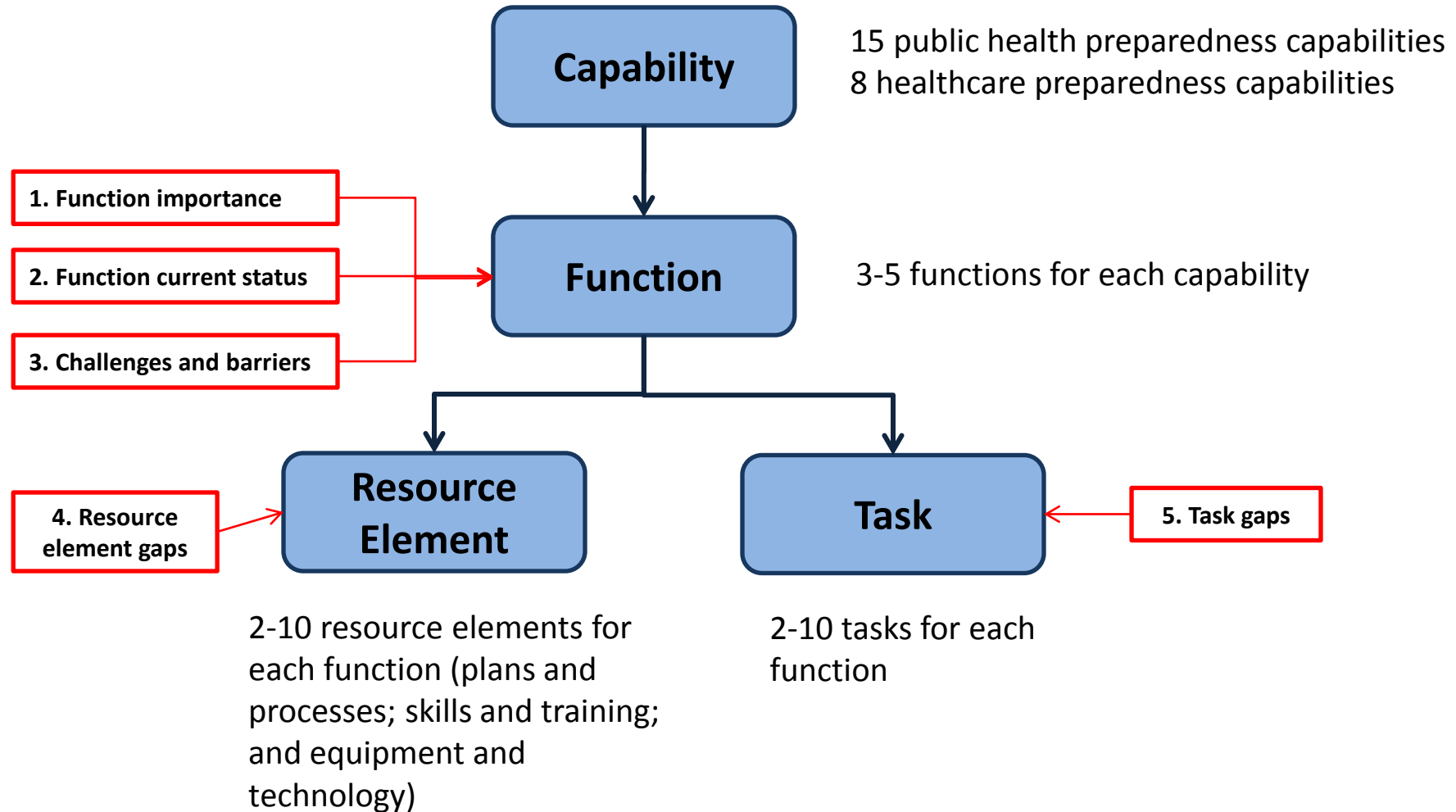
CAPABILITIES PLANNING GUIDE BACKGROUND

Capabilities Planning Guide Purpose

Capabilities Planning Guide (CPG) was developed to serve as a multipurpose decision support tool for awardees

- **Planning**
 - Assist awardees in identifying strengths, gaps, jurisdictional priorities, and areas for possible funding
- **Benchmarking**
 - Enable awardees to benchmark their progress against a national or regional peer group
- **Technical Assistance**
 - Inform development of awardee-specific technical assistance plans
 - Inform ASPR/HPP and CDC/PHEP program planning by identifying national issues and trends

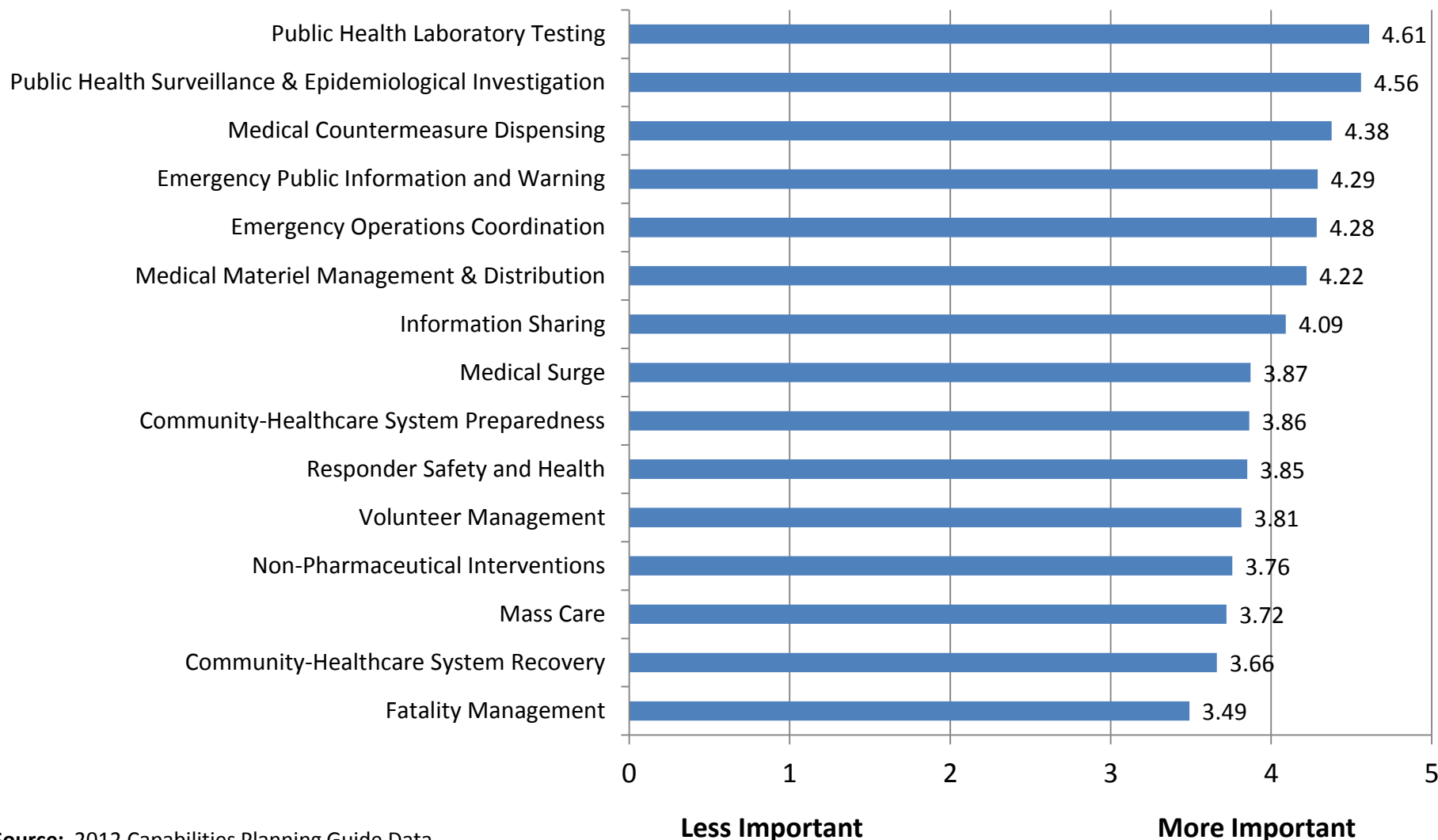
Capabilities Model and CPG Data



Public Health and Healthcare Preparedness Capabilities

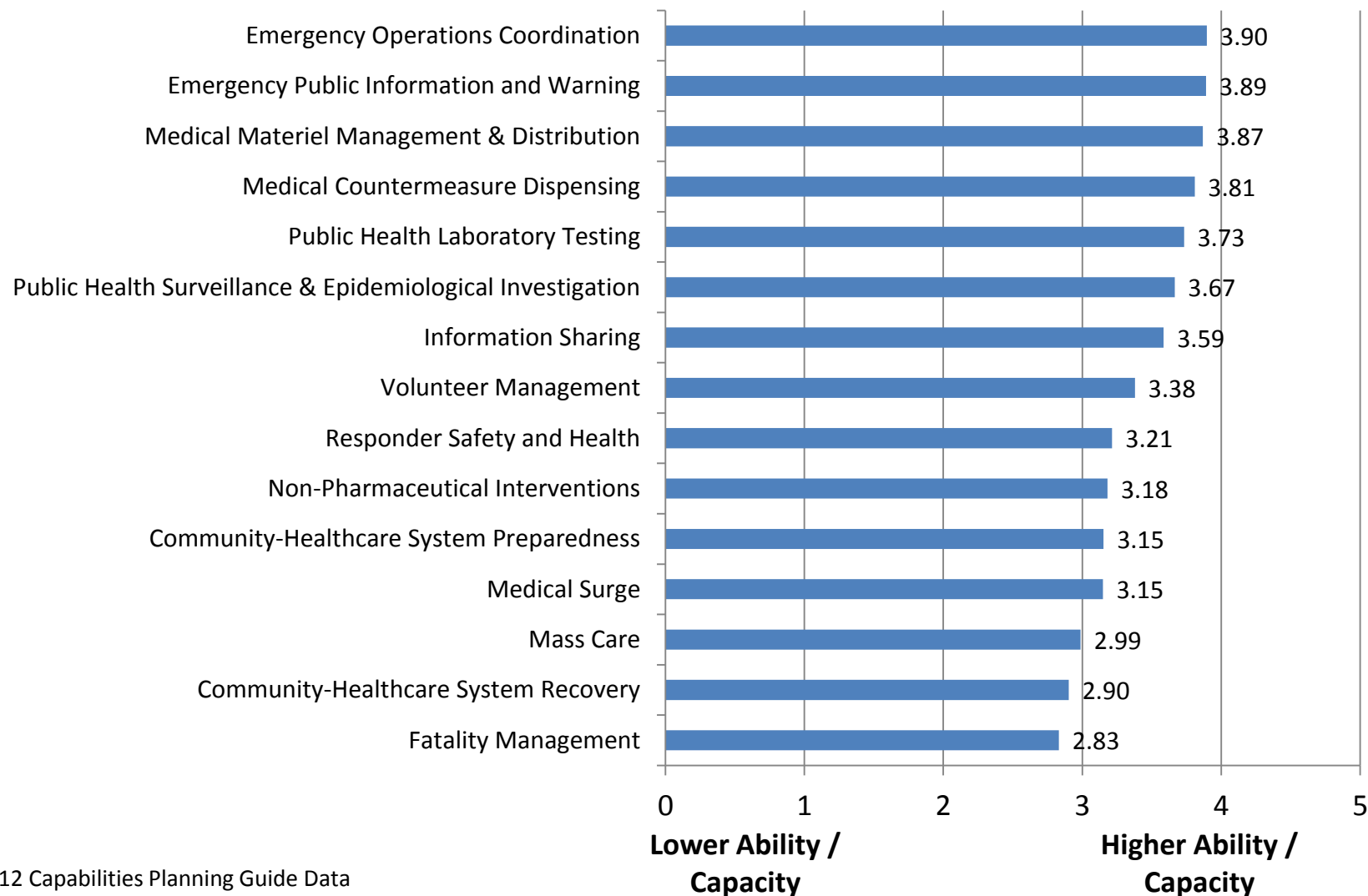
NATIONAL OVERVIEW OF CURRENT CAPABILITIES

Public Health Preparedness Capabilities: 2012 Ranking by Function Importance



Source: 2012 Capabilities Planning Guide Data

Public Health Preparedness Capabilities: 2012 Ranking by Function Current Status



Source: 2012 Capabilities Planning Guide Data

Top 10 Ranking Public Health Preparedness Functions by Importance

Capability	Function	Avg. Function Importance (Capability Avg.)	Avg. Function Current Status (Capability Avg.)
Public Health Surveillance & Epidemiological Investigation	1. Conduct public health surveillance and detection	4.81	3.79
Public Health Surveillance & Epidemiological Investigation	2. Conduct public health and epidemiological investigations	4.74	3.77
Public Health Laboratory Testing	3. Conduct testing and analysis for routine and surge capacity	4.71	3.66
Public Health Laboratory Testing	4. Support public health investigations	4.63	3.79
Public Health Laboratory Testing	5. Report results	4.63	3.52
Public Health Surveillance & Epidemiological Investigation	3. Recommend, monitor, and analyze mitigation actions	4.60	3.56
Public Health Laboratory Testing	2. Perform sample management	4.58	3.98
Emergency Public Information and Warning	1. Activate the emergency public information system	4.56	4.02
Medical Countermeasure Dispensing	4. Dispense medical countermeasures to identified population	4.55	3.84
Public Health Laboratory Testing	1. Manage laboratory activities	4.50	3.71

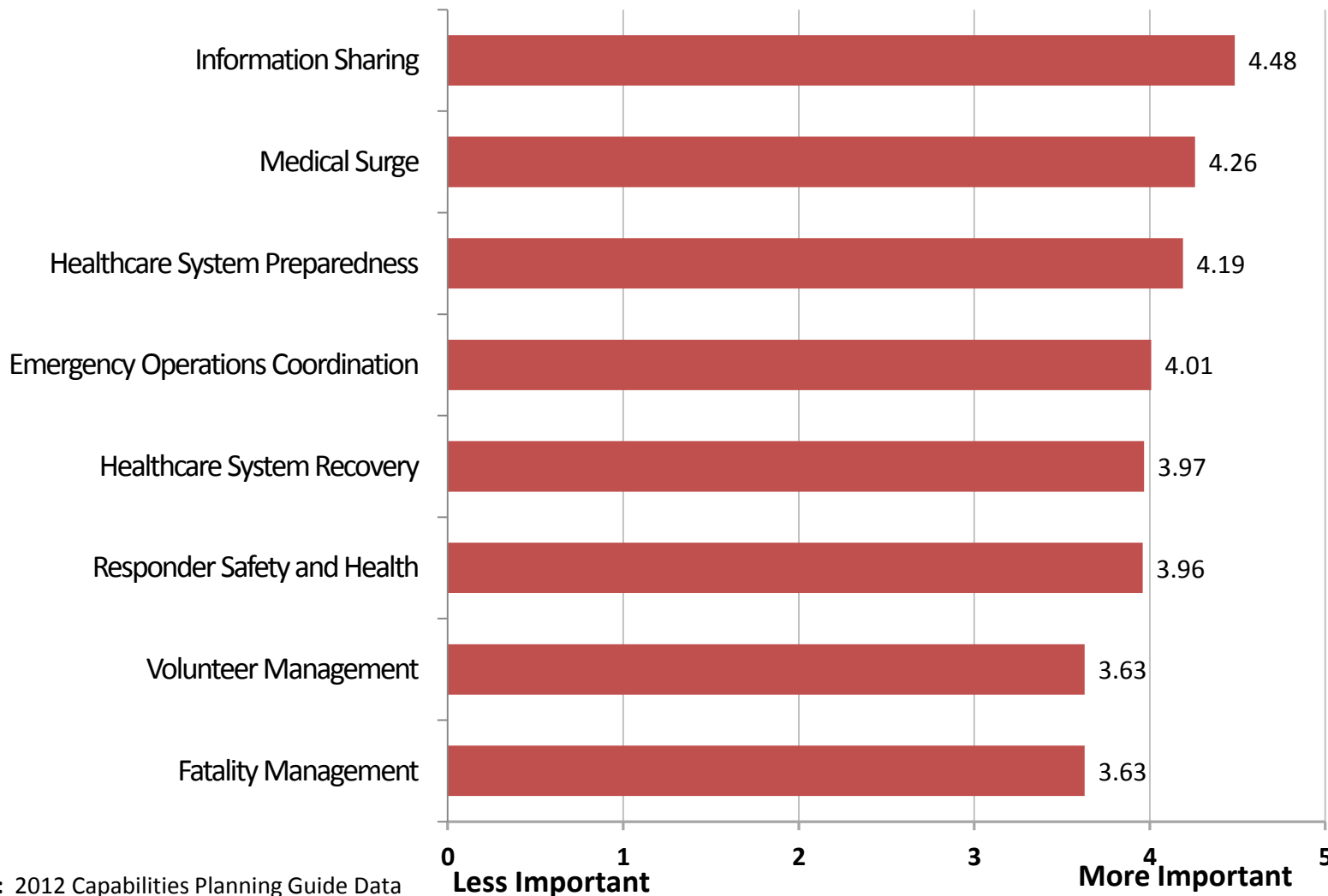
Source: 2012 Capabilities Planning Guide Data

Bottom 10 Ranking Public Health Preparedness Functions by Importance

Capability	Function	Avg. Function Importance (Capability Avg.)	Avg. Function Current Status (Capability Avg.)
Mass Care	4. Monitor mass care population health	3.61	3.02
Non-Pharmaceutical Interventions	4. Monitor non-pharmaceutical interventions	3.58	2.97
Community Recovery	2. Coordinate community public health, medical, and mental/behavioral health system recovery operations	3.58	2.90
Fatality Management	2. Activate public health fatality management operations	3.55	2.92
Medical Materiel Management & Distribution	6. Recover medical materiel and demobilize distribution operations	3.50	3.47
Fatality Management	4. Participate in survivor mental/behavioral health services	3.45	2.76
Volunteer Management	4. Demobilize volunteers	3.40	2.79
Fatality Management	5. Participate in fatality processing and storage operations	3.39	2.71
Fatality Management	3. Assist in the collection and dissemination of ante-mortem data	3.37	2.71
Medical Surge	4. Support demobilization of medical surge operations	3.31	2.79

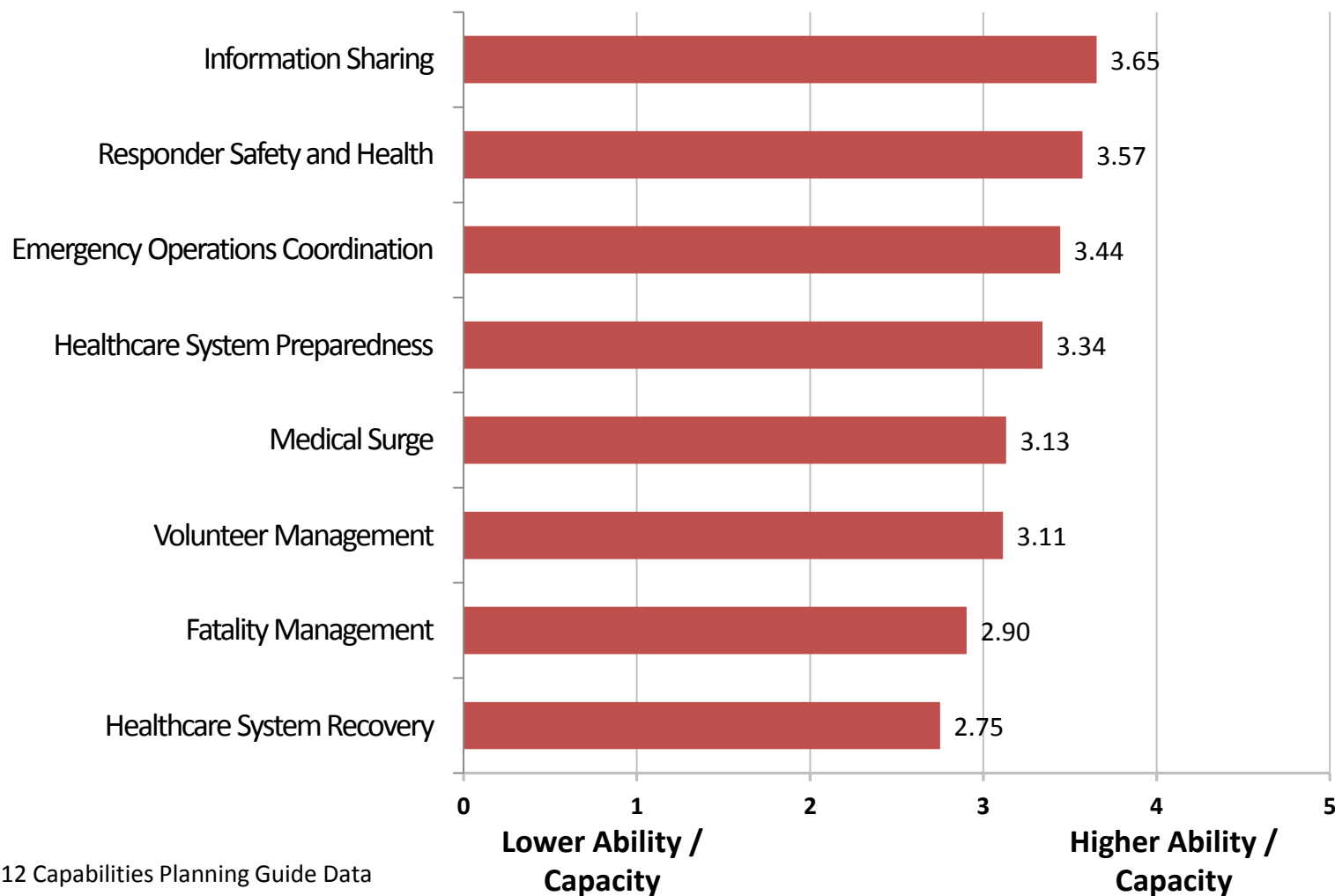
Source: 2012 Capabilities Planning Guide Data

Healthcare Preparedness Capabilities: 2012 Ranking by Function Importance



Source: 2012 Capabilities Planning Guide Data

Healthcare Preparedness Capabilities: 2012 Ranking by Current Status



Source: 2012 Capabilities Planning Guide Data

Top 10 Ranking Healthcare Preparedness Functions by Importance

Capability	Function	Avg. Function Importance (Capability Avg.)	Avg. Function Current Status (Capability Avg.)
Information Sharing	2. Develop, refine, and sustain redundant, interoperable communication systems	4.56	3.79
Healthcare System Preparedness	2. Coordinate healthcare planning to prepare the healthcare system for a disaster	4.45	3.53
Medical Surge	3. Assist healthcare organizations with surge capacity and capability	4.40	3.34
Information Sharing	1. Provide healthcare situational awareness that contributes to the incident common operating picture	4.40	3.52
Emergency Operations Coordination	2. Assess and notify stakeholders of healthcare delivery status	4.37	3.74
Healthcare System Preparedness	1. Develop, refine, or sustain Healthcare Coalitions	4.35	3.40
Medical Surge	2. Coordinate integrated healthcare surge operations with pre-hospital Emergency Medical Services (EMS) operations	4.32	3.26
Emergency Operations Coordination	1. Healthcare organization multi-agency representation and coordination with emergency operations	4.27	3.68
Medical Surge	5. Provide assistance to healthcare organizations regarding evacuation and shelter in place operations	4.26	3.32
Medical Surge	1. The Healthcare Coalition assists with the coordination of the healthcare organization response during incidents that require medical surge	4.24	3.37

Source: 2012 Capabilities Planning Guide Data

Bottom 10 Ranking Healthcare Preparedness Functions by Importance

Capability	Function	Avg. Function Importance (Capability Avg.)	Avg. Function Current Status (Capability Avg.)
Responder Safety and Health	1. Assist healthcare organizations with additional pharmaceutical protection for healthcare workers	3.94	3.52
Healthcare System Recovery	2. Assist healthcare organizations to implement Continuity of Operations (COOP)	3.89	2.84
Volunteer Management	2. Volunteer notification for healthcare response needs	3.81	3.6
Fatality Management	1. Coordinate surges of deaths and human remains at healthcare organizations with community fatality management operations	3.79	3.21
Volunteer Management	1. Participate with volunteer planning processes to determine the need for volunteers in healthcare organizations	3.68	3.13
Volunteer Management	3. Organization and assignment of volunteers	3.61	3.02
Fatality Management	3. Mental/behavioral support at the healthcare organization level	3.56	2.77
Fatality Management	2. Coordinate surges of concerned citizens with community agencies responsible for family assistance	3.53	2.73
Volunteer Management	4. Coordinate the demobilization of volunteers	3.42	2.71
Emergency Operations Coordination	4. Demobilize and evaluate healthcare operations	3.23	2.90

Source: 2012 Capabilities Planning Guide Data

Public Health Preparedness Capabilities: 2012 Importance and Current Status

Higher Importance – Full Ability / Capacity	Higher Importance – Significant Ability / Capacity	Higher Importance – Some Ability / Capacity	Lower Importance – Some Ability / Capacity
None	PH Laboratory Testing PH Surveillance & Epidemiological Investigation Information Sharing Emergency Operations Coordination Emergency Public Information & Warning Medical Countermeasures Dispensing Medical Materiel Management & Distribution	Community Preparedness Community Response Non-Pharmaceutical Intervention Mass Care Medical Surge Volunteer Management Responder Safety & Health	Fatality Management

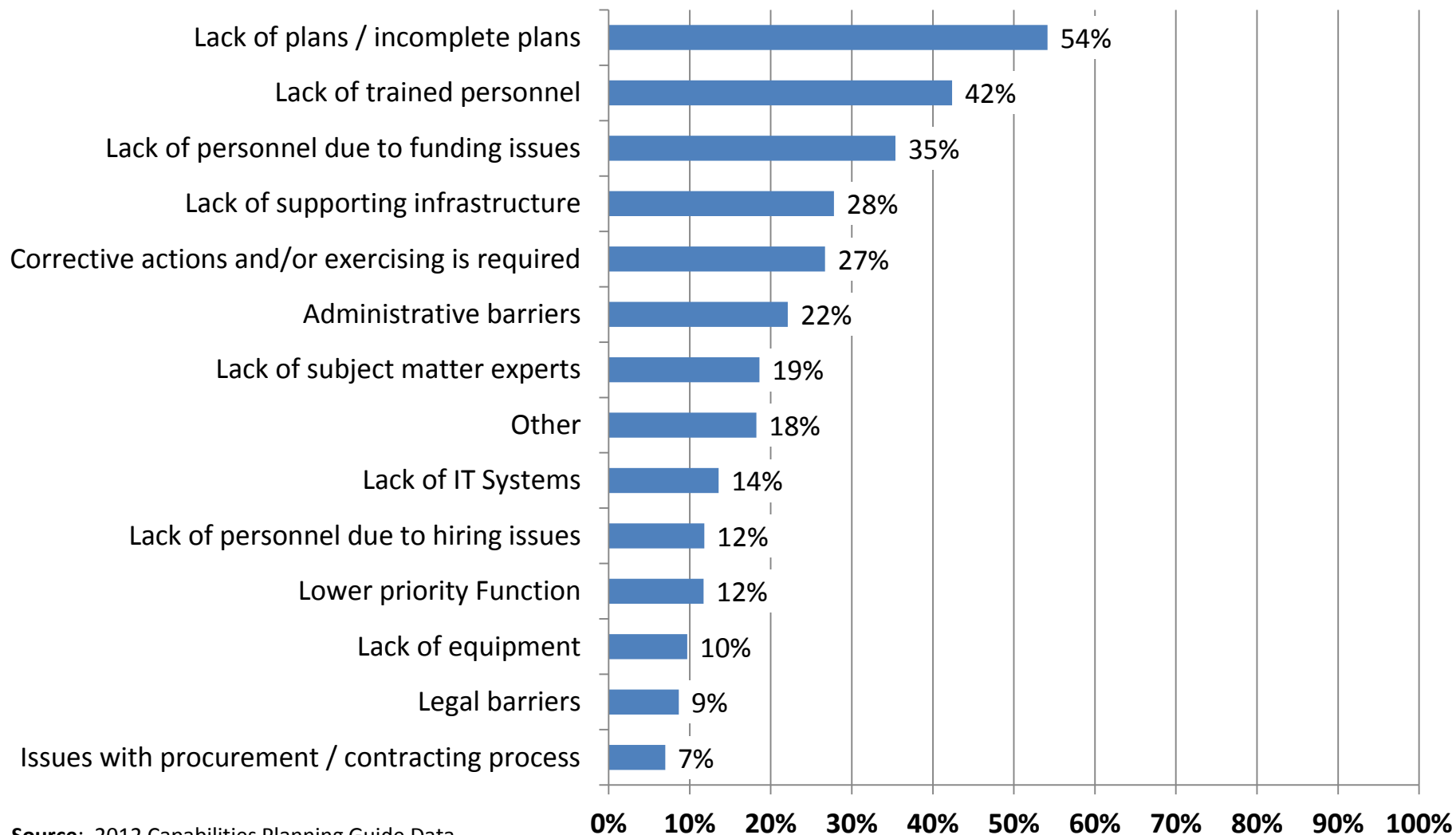
Source: 2012 Capabilities Planning Guide Data

Healthcare Preparedness Capabilities: 2012 Importance and Current Status

Higher Importance – Full Ability / Capacity	Higher Importance – Significant Ability / Capacity	Higher Importance – Some Ability / Capacity	Lower Importance – Some Ability / Capacity
None	Information Sharing Responder Safety & Health	Healthcare System Preparedness Healthcare System Recovery Emergency Operations Coordination Fatality Management Medical Surge Volunteer Management	None

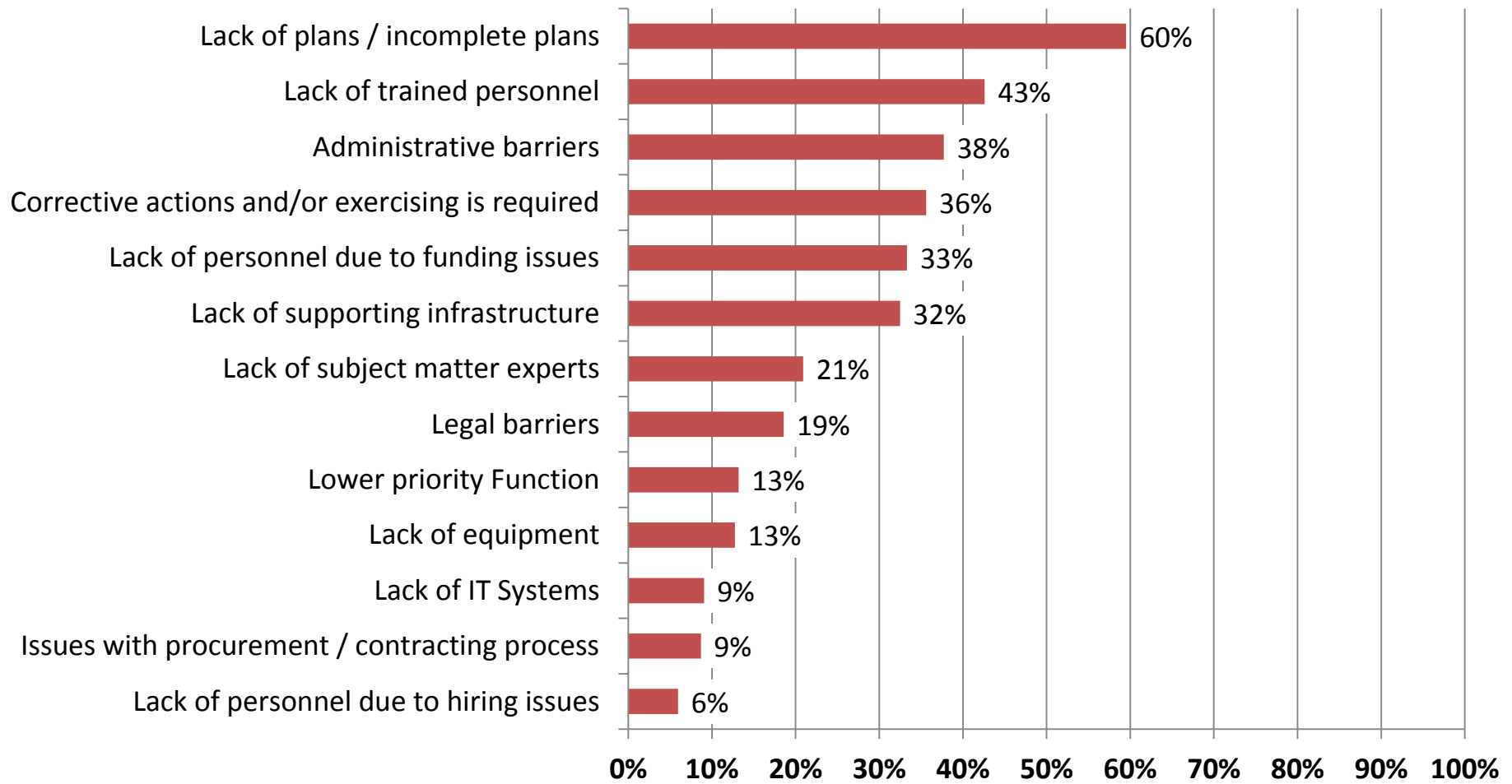
Source: 2012 Capabilities Planning Guide Data

Public Health Preparedness Capability Functions: BP1 Barriers Identified in Achieving Full Capacity



Source: 2012 Capabilities Planning Guide Data

Healthcare Preparedness Capability Functions: BP1 Barriers Identified in Achieving Full Capacity

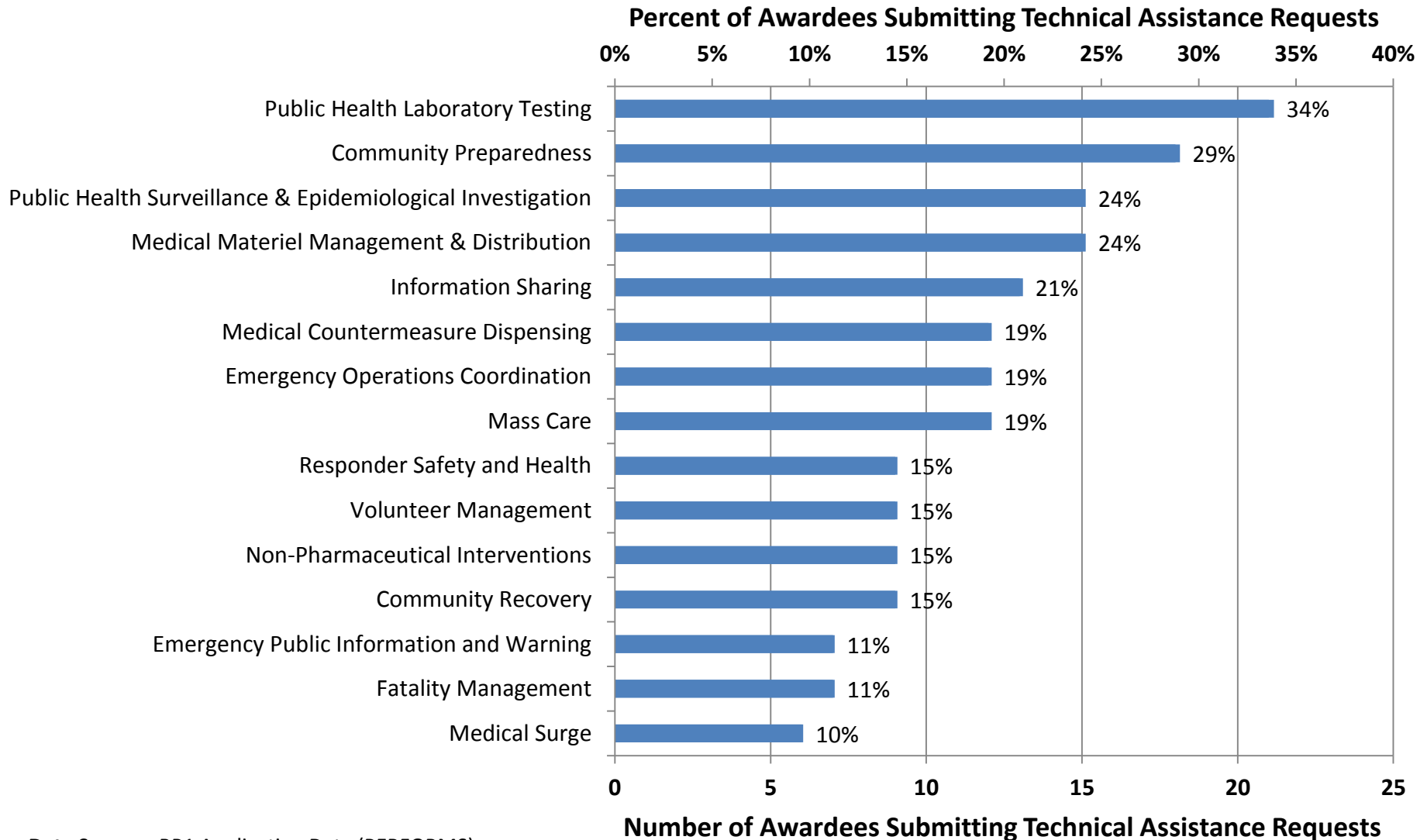


Source: 2012 Capabilities Planning Guide Data

Public Health and Healthcare Preparedness Capabilities

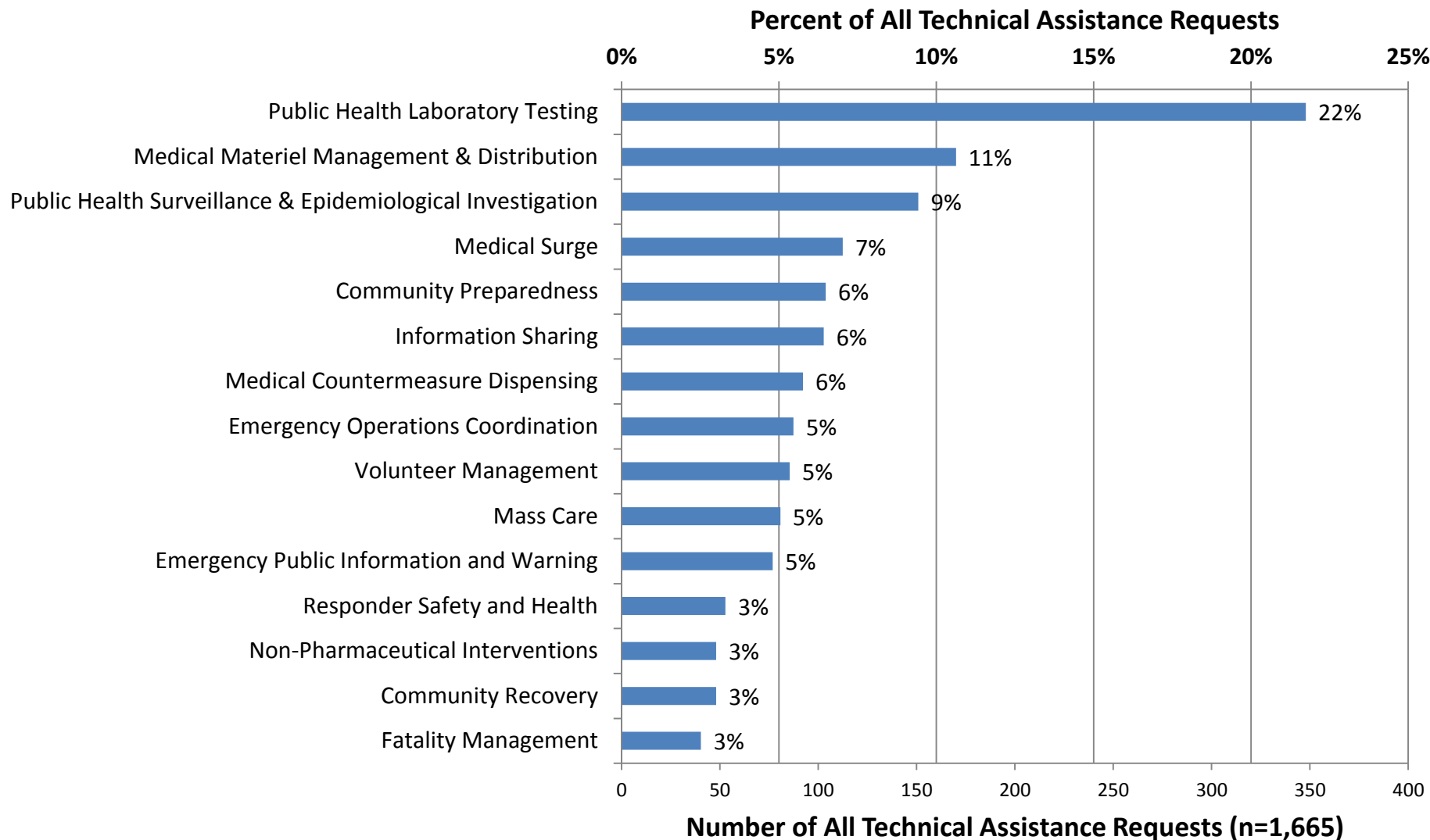
APPLICATION AND BUDGET INFORMATION

Public Health Preparedness Capabilities: PHEP BP1: Number/Percent of Awardees Requesting Technical Assistance



Data Source: BP1 Application Data (PERFORMS)

Public Health Preparedness Capabilities: PHEP BP1: Number/Percent of Technical Assistance Requests by Capability



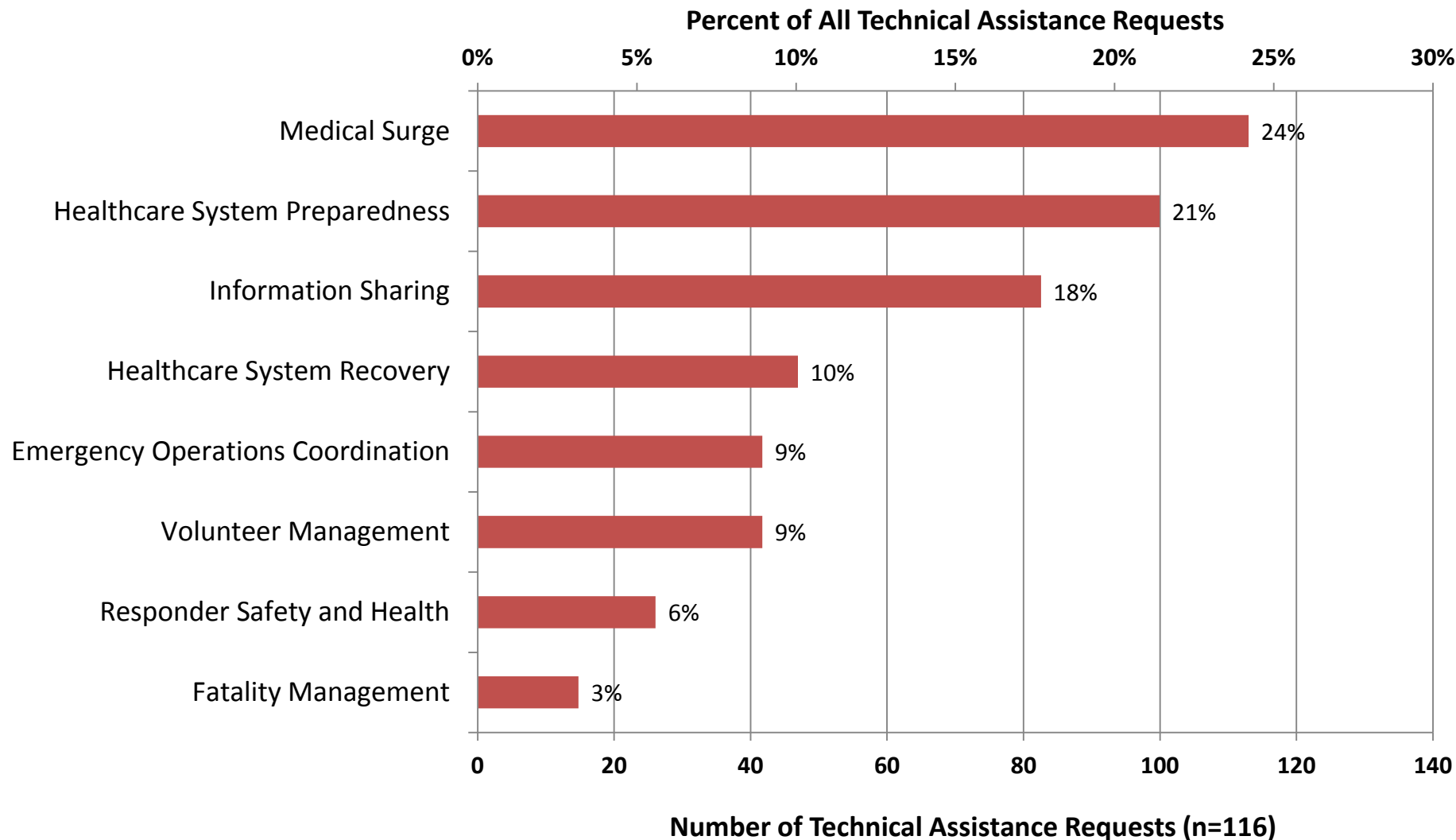
Data Source: BP1 Application Data (PERFORMS)

Cumulative percent does not equal 100 percent due to rounding

Public Health Preparedness Capabilities: Most Frequent BP1 Technical Assistance Requests

Capability	Top 2 Technical Assistance Requests
Public Health Laboratory Testing (n = 390)	<ul style="list-style-type: none"> ❖ Training (e.g., updates on current lab methods, instrumentation use, and applicability) ❖ Support IT system (e.g., support for LIMS, system configuration, validation, testing to ensure system communication)
Medical Materiel Management & Distribution (n = 201)	<ul style="list-style-type: none"> ❖ Distribution, recovery, packaging, and relabeling ❖ Guidance on SNS guidelines (e.g., best practices for distribution strategies, process to acquire DEA licenses for the RSS sites)
Public Health Surveillance & Epidemiological Investigation (n = 183)	<ul style="list-style-type: none"> ❖ Guidance on data collection and creating epidemiological profiles ❖ Tools for isolation of cases and tracking distribution of diseases
Medical Surge (n = 142)	<ul style="list-style-type: none"> ❖ Staff Training ❖ Guidance on performance measure (e.g., Jurisdictional Risk Assessment, Mass Fatality Plan, quantitative tools for tracking)
Information Sharing (n = 131)	<ul style="list-style-type: none"> ❖ Guidance on information sharing policies, practices, and data standards among health departments and federal agencies ❖ Guidance on performance metrics
Data Source: BP1 Application Data (PERFORMS) Based on 62 awardees requesting technical assistance	

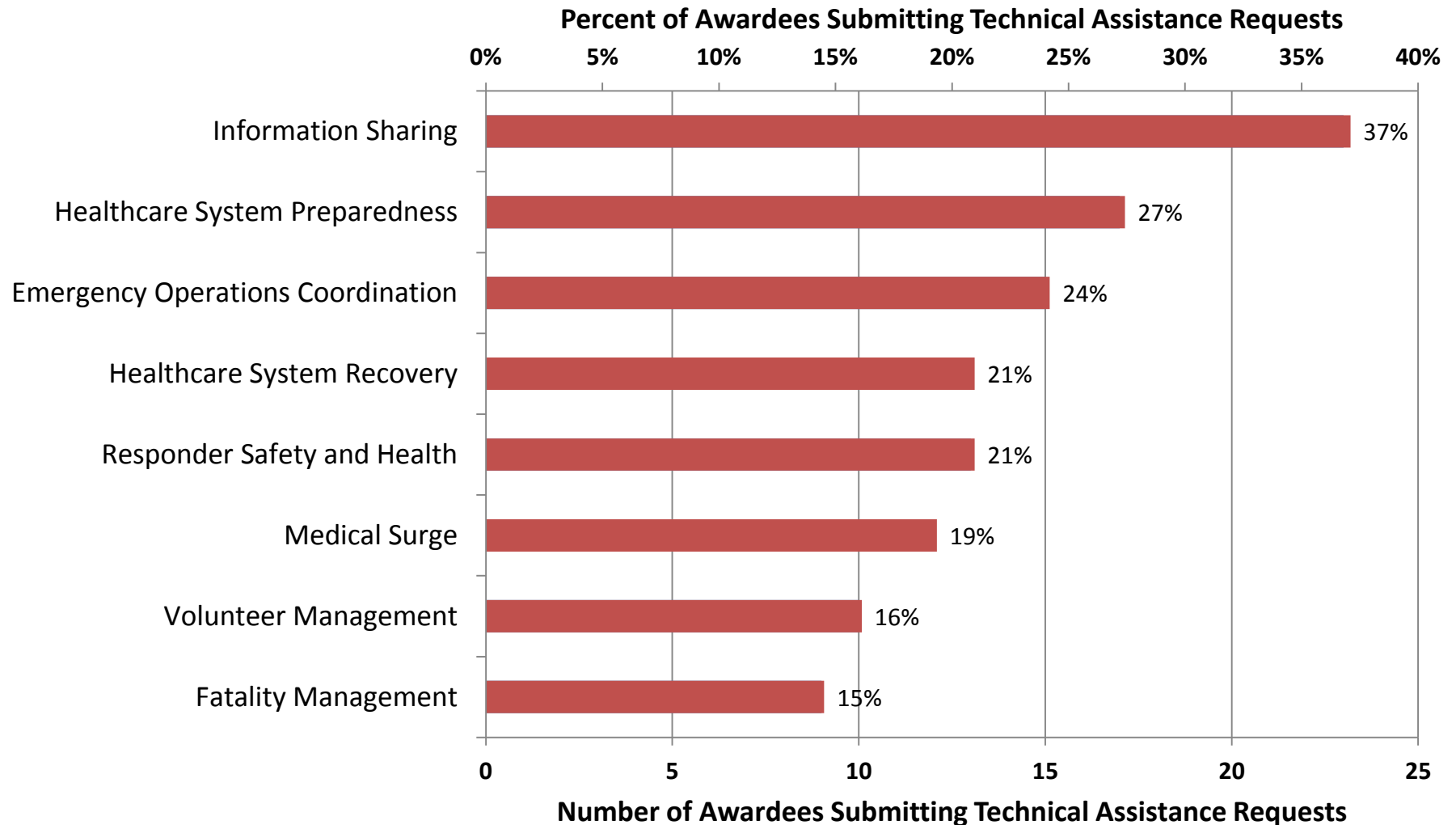
Healthcare Preparedness Capabilities: HPP BP1 Number and Percent of Technical Assistance Requests by Awardees



Data Source: BP1 Application Data (PERFORMS)

Cumulative percent does not equal 100 percent due to rounding

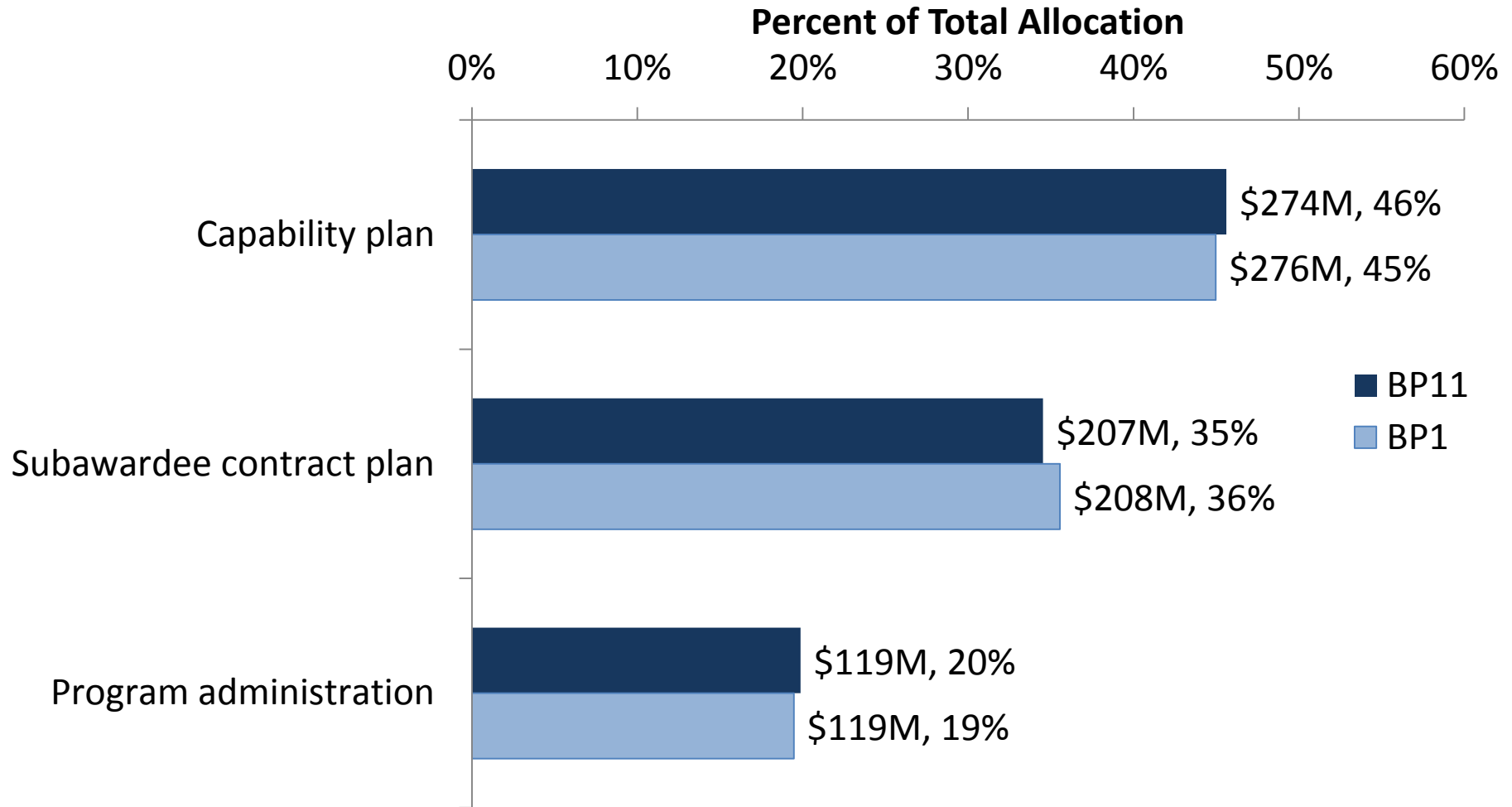
Healthcare Preparedness Capabilities: HPP BP1 Number and Percent of Awardees Requesting Technical Assistance



Healthcare Preparedness Capabilities: Most Frequent BP1 Technical Assistance Requests

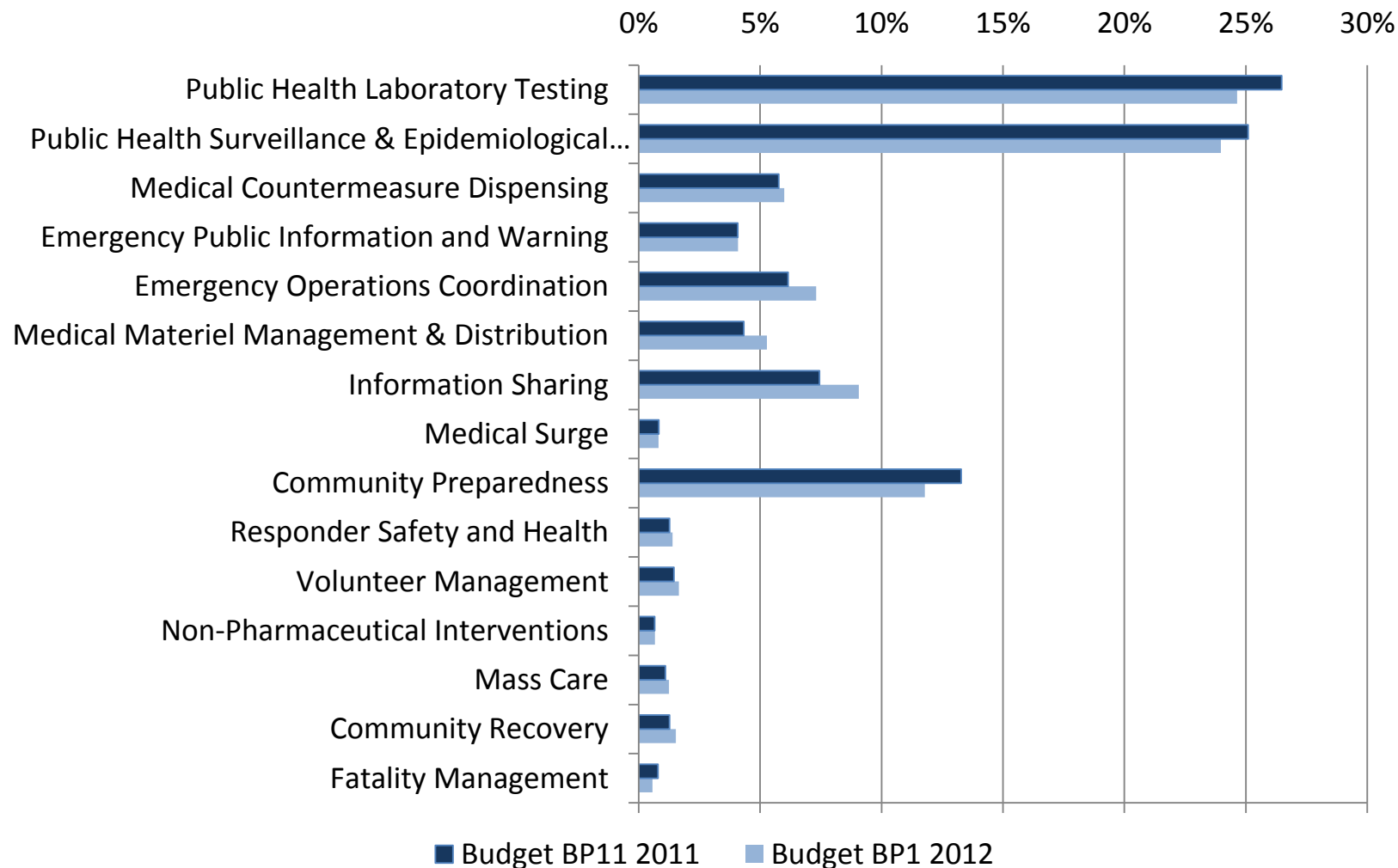
Capability	Top 2 Technical Assistance Requests
Healthcare System Preparedness (n = 29)	<ul style="list-style-type: none"> ❖ Guidance on implementing and improving a formal healthcare coalition and governance ❖ Guidance on completion of risk assessment and situational assessment of healthcare delivery
Medical Surge (n = 23)	<ul style="list-style-type: none"> ❖ Guidance on Crisis of Care standards, development, and process at state and regional level ❖ Share best practices on development of tools to collect and analyze this performance measure
Healthcare Recovery (n = 16)	<ul style="list-style-type: none"> ❖ Guidance on incorporating recovery into HCO planning ❖ Development of tools to analyze this performance measure (e.g., Pre-Assessment template, Impact Assessment Plan, Continuity of Operations Plan, and Business Continuity Plan)
Data Source: BP1 Application Data (PERFORMS)	

PHEP Funding Award: Percent of Total PHEP Funding Awarded in BP11 (~\$613M) and BP1 (~\$619M)



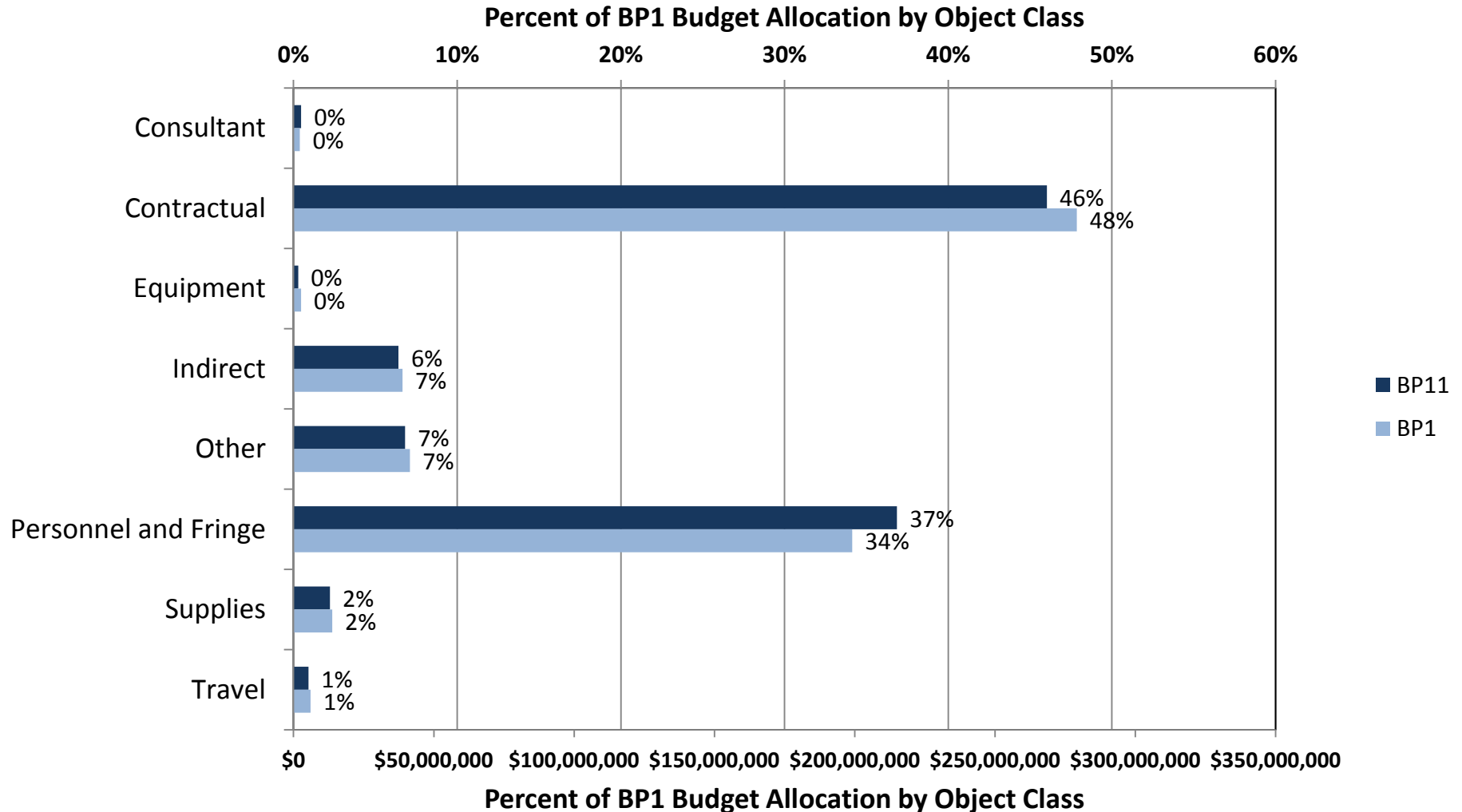
Data Source: BP11 and BP1 Application Data (PERFORMS)

PHEP Funding Award: Capability-specific Percent of PHEP Funding Allocated to Capabilities in BP11 (~\$274M) and BP1 (~\$276M)



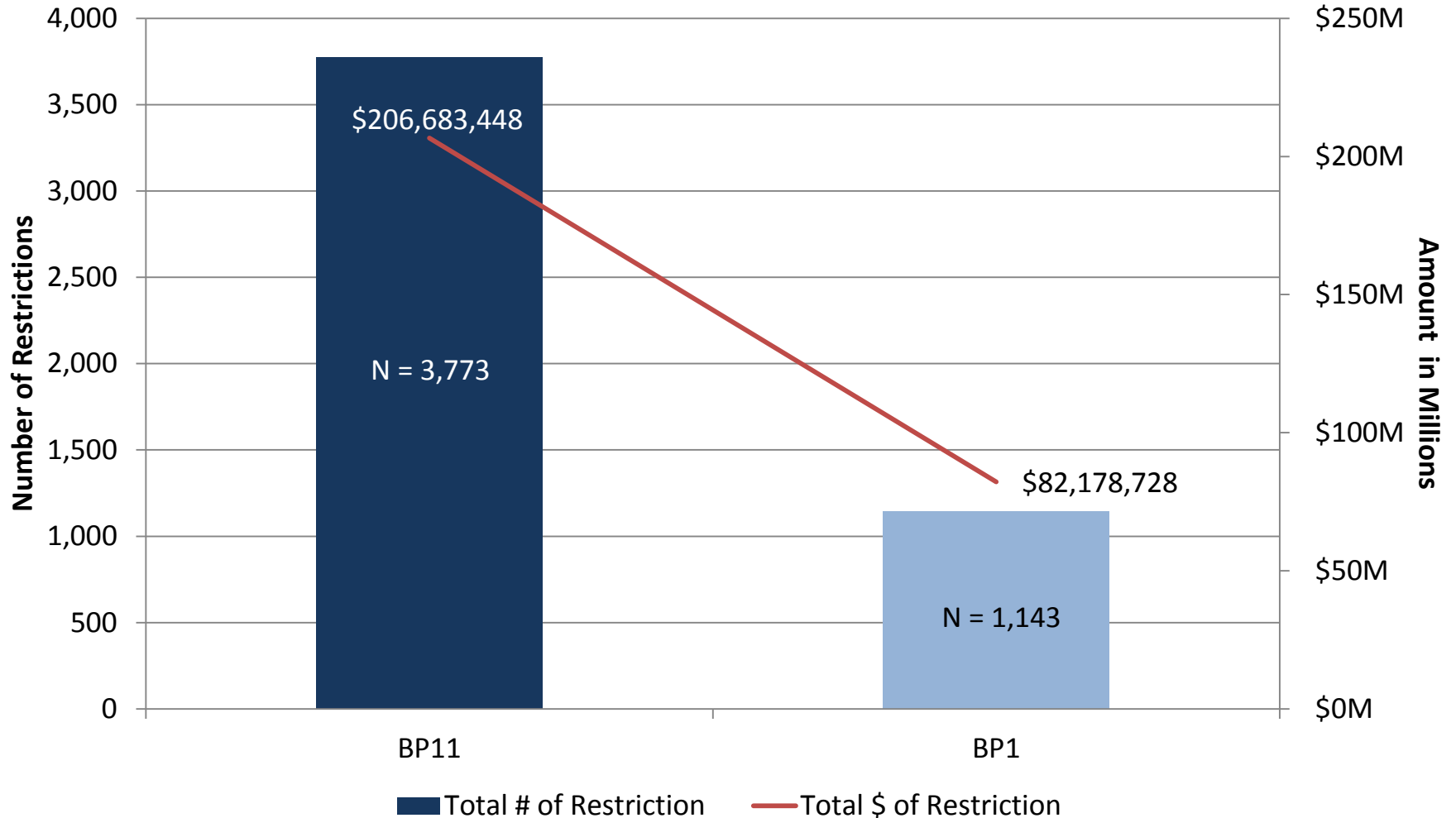
Data Source: BP11 and BP1 Application Data (PERFORMS)

PHEP Funding Award: Percent of Total PHEP Funding Awarded by Object Class in BP11 (~\$613M) and BP1 (~\$619M)



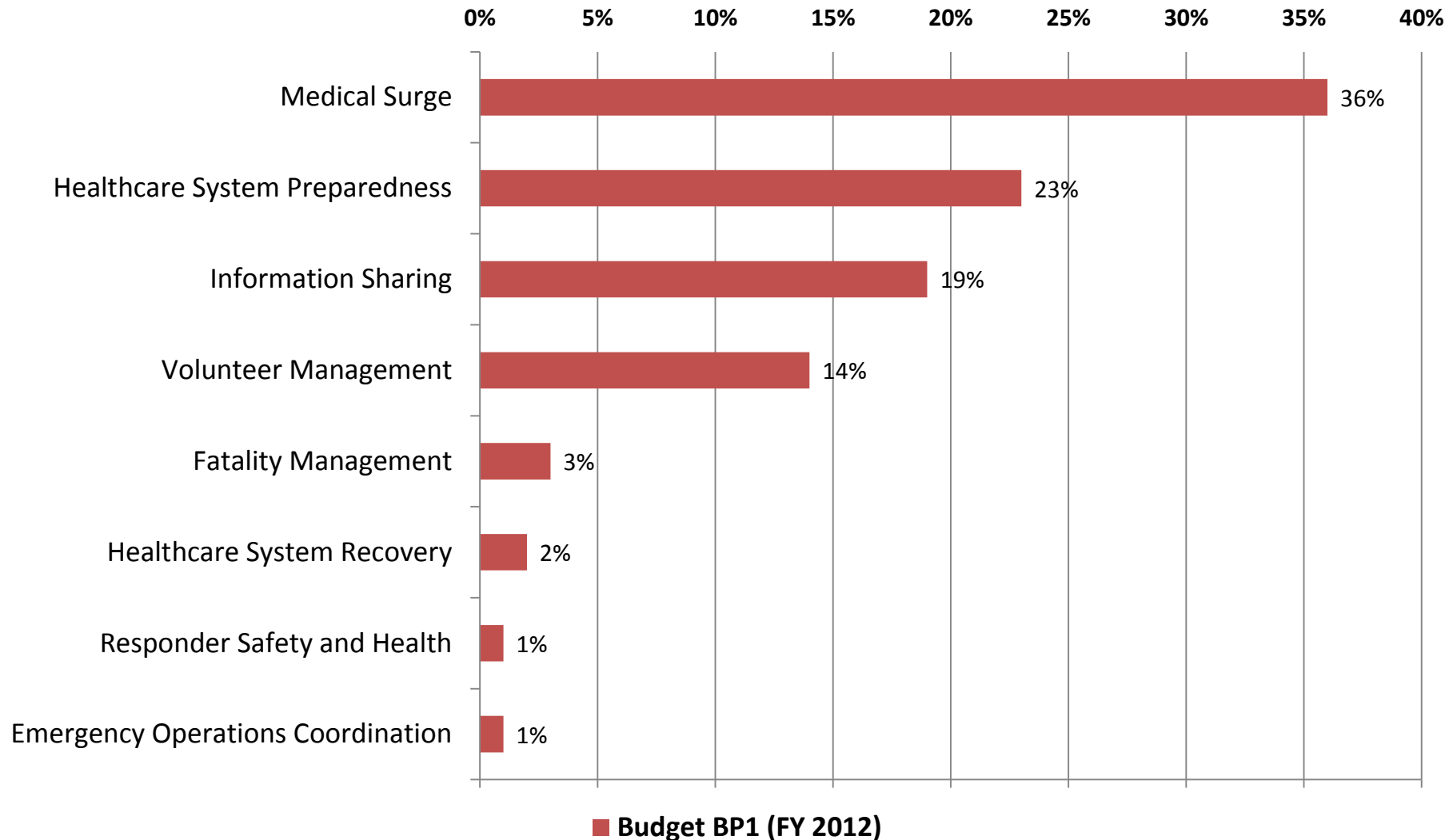
Data Source: BP11 and BP1 Application Data (PERFORMS)

PHEP Budget Conditions of Award: Number and Amount of Restrictions in BP11 and BP1



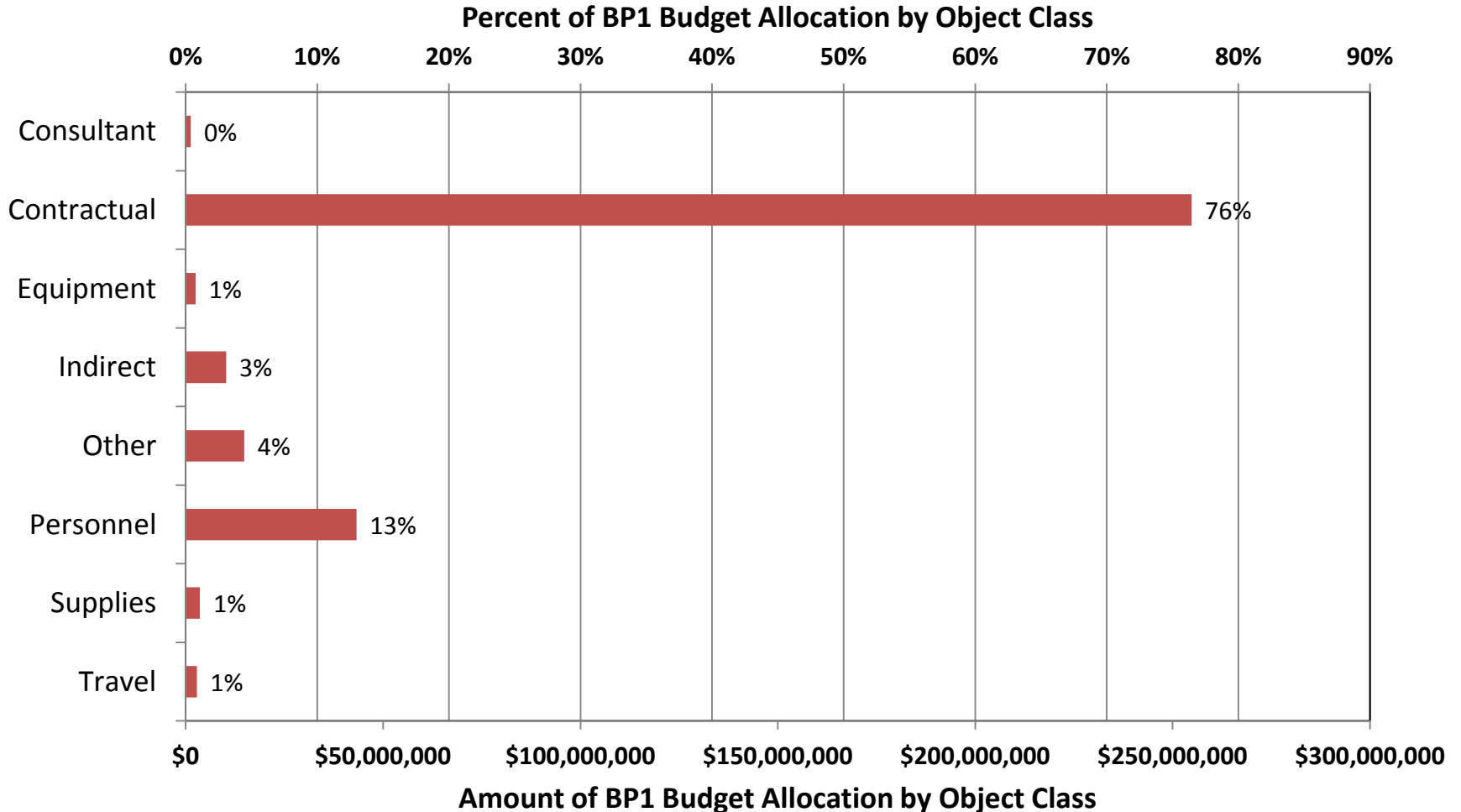
Data Source: BP11 and BP1 Application Data (PERFORMS)

HPP Funding Award: Percent of Total HPP Funding Allocated to Capabilities in BP1 (~\$307M)



Data Source: BP1 Application Data (PERFORMS)

Healthcare Preparedness Capabilities: HPP BP1 Percent of Total HPP Funding Awarded by Object Class



Public Health and Healthcare Preparedness Capabilities

STRATEGIES FOR MOVING FORWARD

Early Awardee Impact Statements on Grant Alignment

Much work remains (as evidenced by capabilities assessment) but early impact is very positive.

- 95% of awardees in online poll indicated we are headed in right direction
- Grant alignment is improving:
 - Coordination and collaboration
 - Joint operational planning
 - Strategic and technical assistance
- Joint FOA/application process an innovative model that will improve efficiency and flexibility and increase joint program planning
- Need additional refinement of application process to further reduce awardee burden

Next Steps: PHEP and HPP

- **Additional refinements to BP1 progress reporting and BP2 application (e.g., budget and work plan) based on:**
 - CPG data
 - BP1 application data
 - Awardee feedback on BP1 application process
 - Hot washes and site visits
- **Refinements designed to:**
 - Reduce burden
 - Improve impact data

Next Steps: PHEP and HPP

- **Implement outcomes and outputs**
 - Start with PHEP BP11 annual progress report and use similar model for HPP-PHEP BP1 progress reporting
 - No function-level work plan updates or reporting in BP1
- **Explore use of objectives and capability targets in BP2**
 - Two to three objectives per capability
 - Overarching target(s) per capability
 - Defines the scale to which capabilities would be built
 - Could answer: How do we know when we're done building a capability?

Next Steps: HPP

- **CPG:** Refine, validate, and link CPG data to HPP application and end-of-year data collection
- **Capabilities:** Work with awardees to build and sustain the Healthcare Preparedness Capabilities
- **Performance Measures:** BP1 provisional measures and supporting data elements are released and being vetted for final release in BP2