



OHIO SCHOOL SECURITY

Report and Recommendations
February 2019

BACKGROUND

- 132nd General Assembly passed House Bill 318 and it was signed into law on August 3, 2018
 - Ohio Department of Public Safety
 - Ohio Facilities Construction Commission
- Conduct a study of school security in Ohio
 - Physical building security
 - School resource officers
 - Examine findings
 - Provide options for cost-effective building security upgrades
 - Make recommendations for improving school security



SURVEY TO SCHOOLS

- August 22, 2018
- Goal:
 - Create questions to generate honest feedback and unbiased results



SURVEY RESULTS

- 66% Rate of return
- 3,737 buildings
 - Public and nonpublic schools with varying grade levels represented



KEY AREAS OF FOCUS

- Current security features
- Security features perceived as essential
- School resource officer hours in building
- Alternative security personnel
- What security measures do you feel are important?



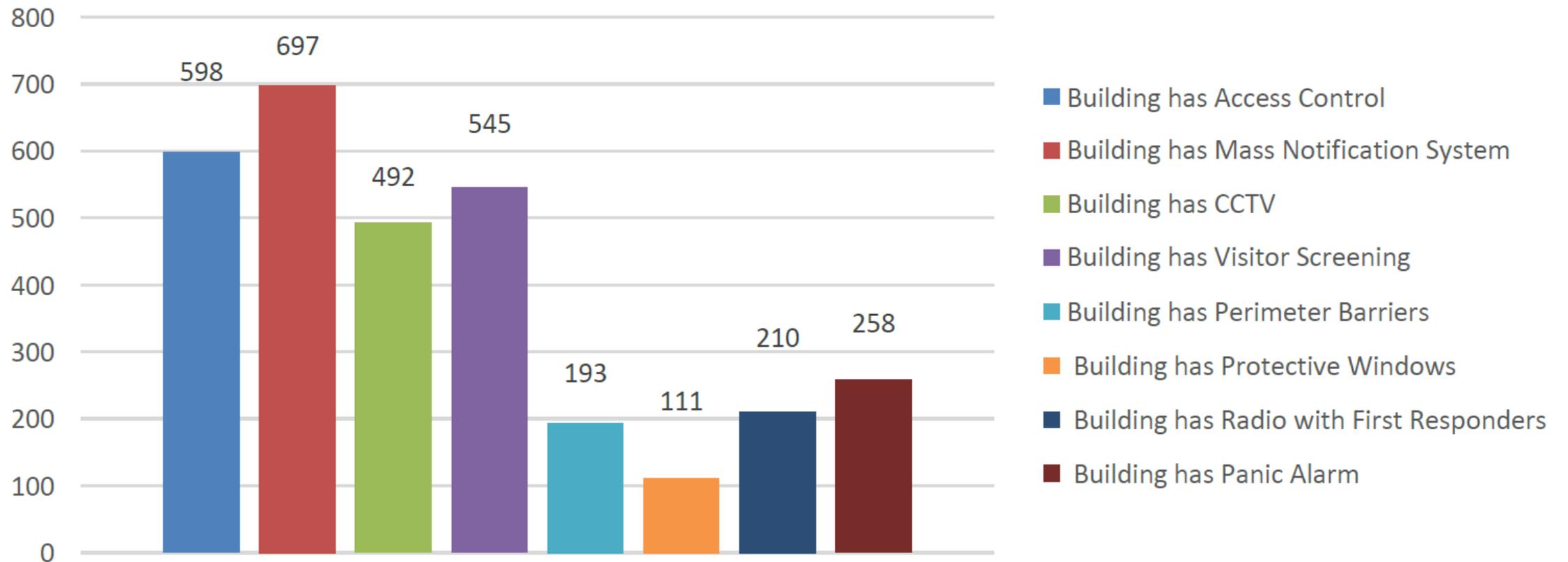
CURRENT SECURITY FEATURES

Mass Notification	94%
Access Control	87%
CCTV	76%
Visitor Screening	72%
Direct Radio with First Responders	61%
Panic Alarm	47%
Protective Windows	21%
Perimeter Barriers	20%



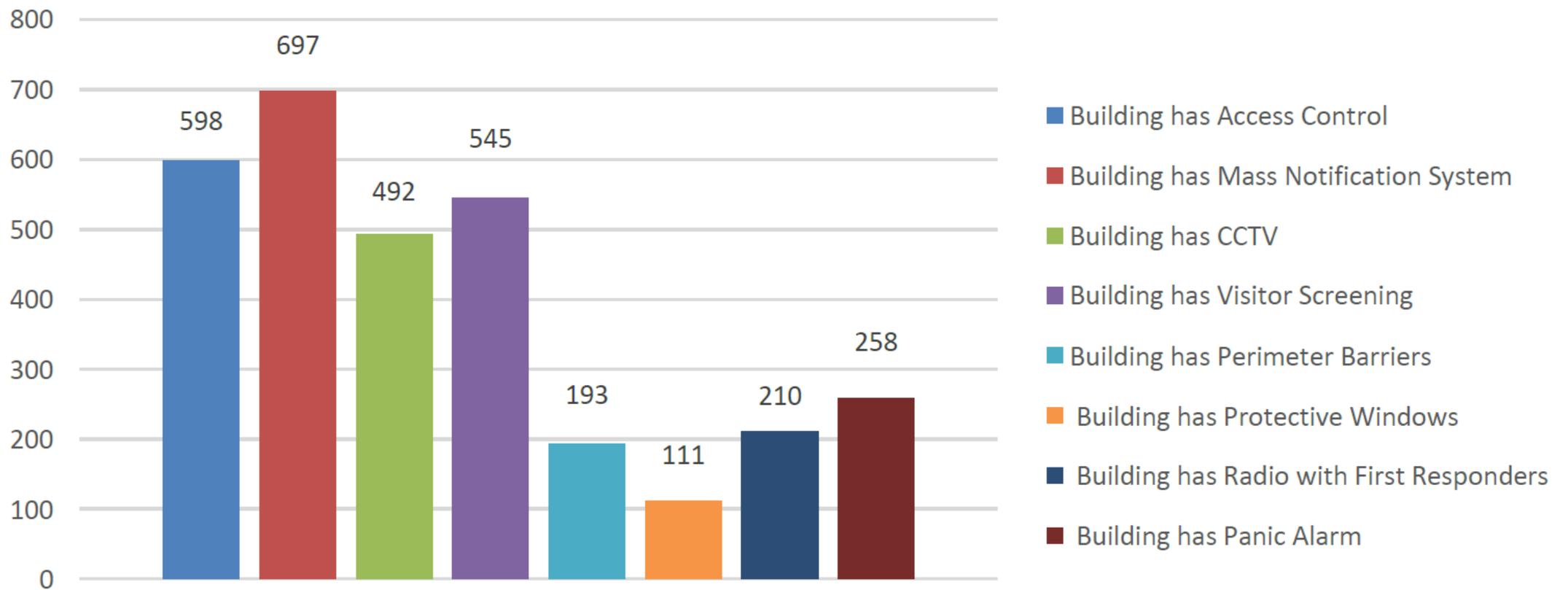
FINDINGS

School Self-Assessment of Security Measures



FINDINGS

Nonpublic/Community School Self-Assessment of Security Measures



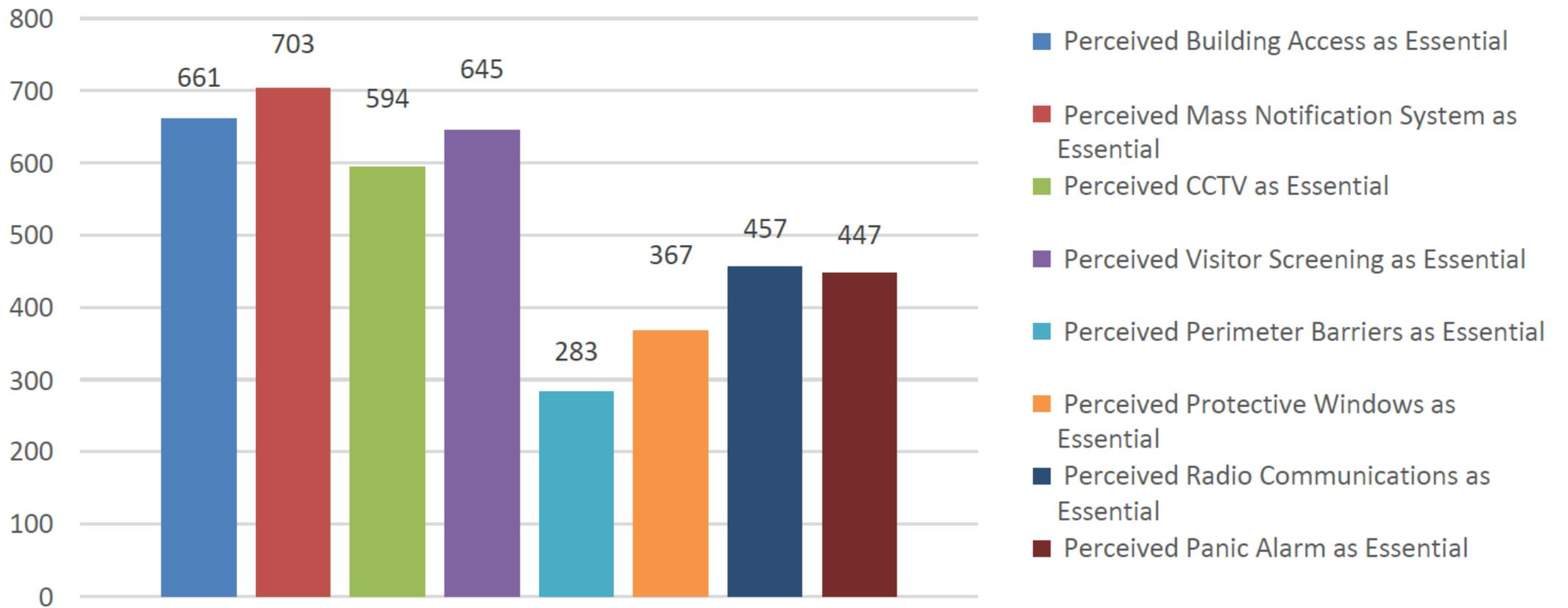
SECURITY FEATURES PERCEIVED AS ESSENTIAL

Mass Notification	95%
Access Control	93%
CCTV	85%
Visitor Screening	87%
Direct Radio with First Responders	80%
Panic Alarm	70%
Protective Windows	57%
Perimeter Barriers	41%



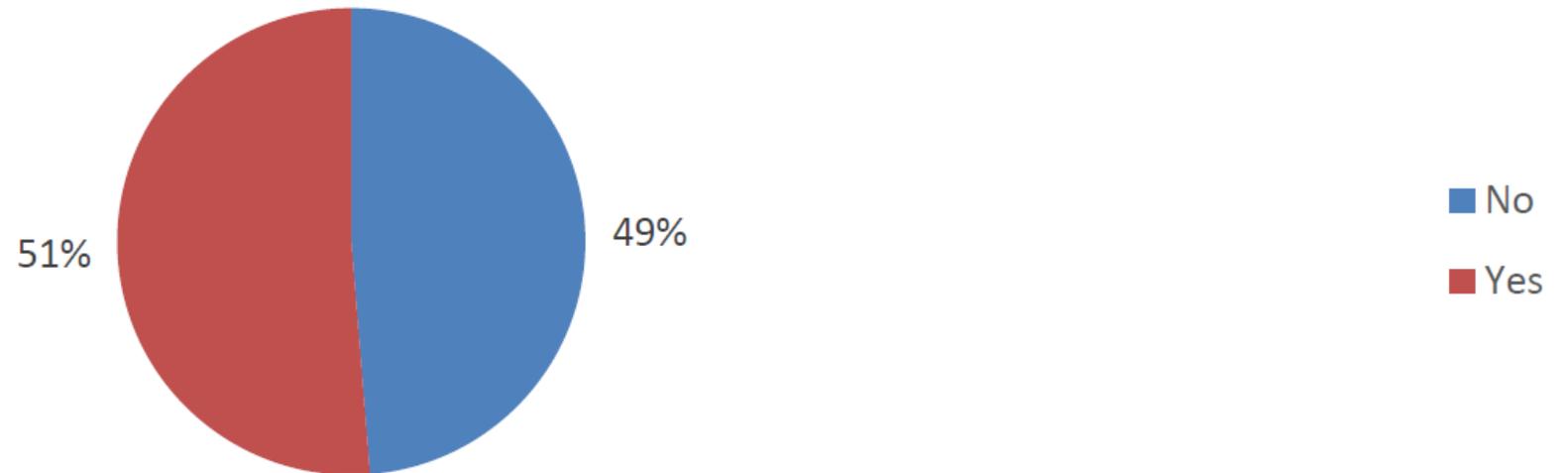
FINDINGS

School Perception of Essential Security Measures



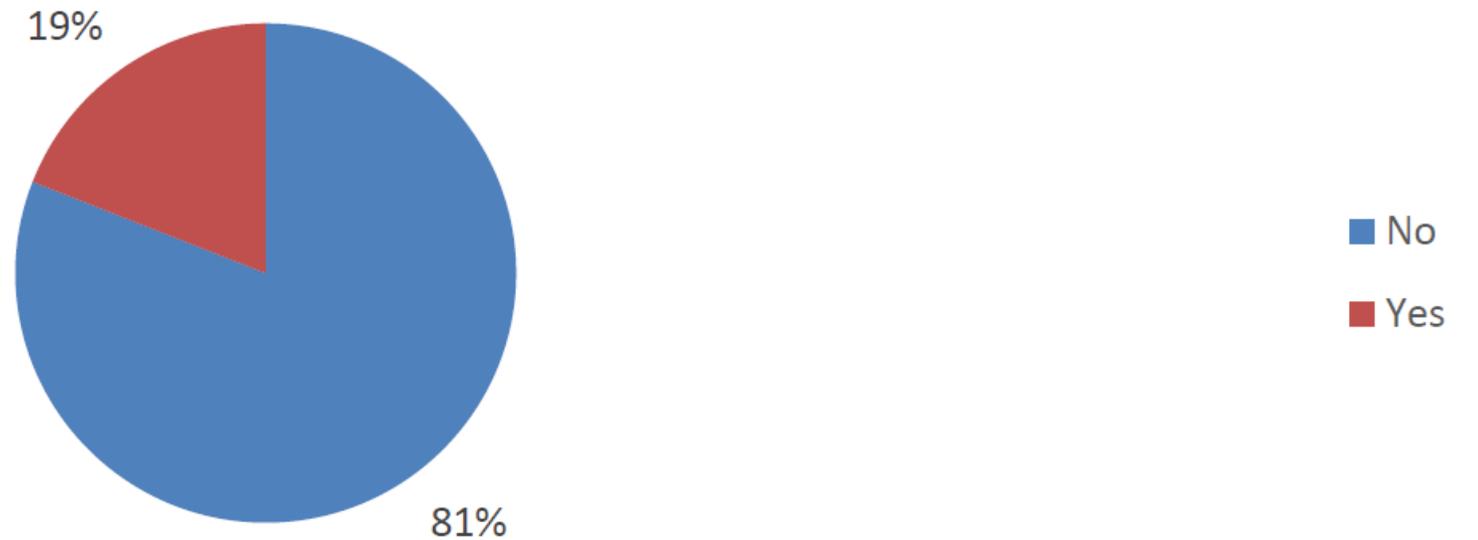
FINDINGS

Does Your School Have a School Resource Officer?



FINDINGS

SRO Use in Nonpublic/Community Schools



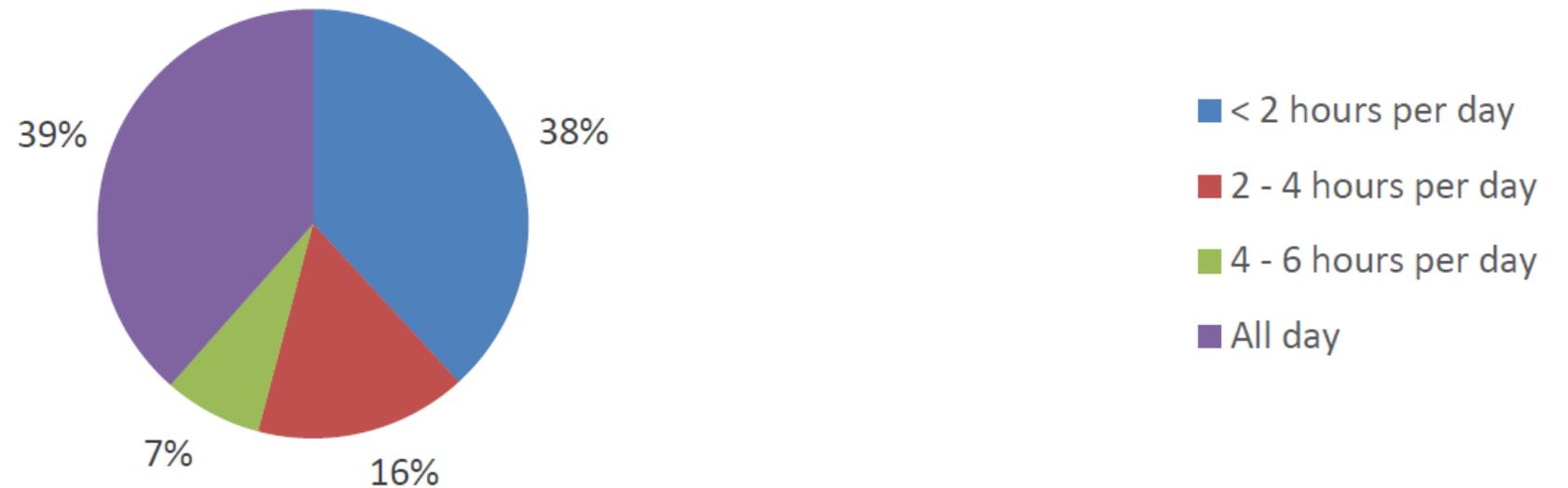
SCHOOL RESOURCE OFFICER HOURS IN BUILDING

All Day	38%
4-6 Hours Per Day	8%
2-4 Hours Per Day	16%
<2 Hours Per Day	38%



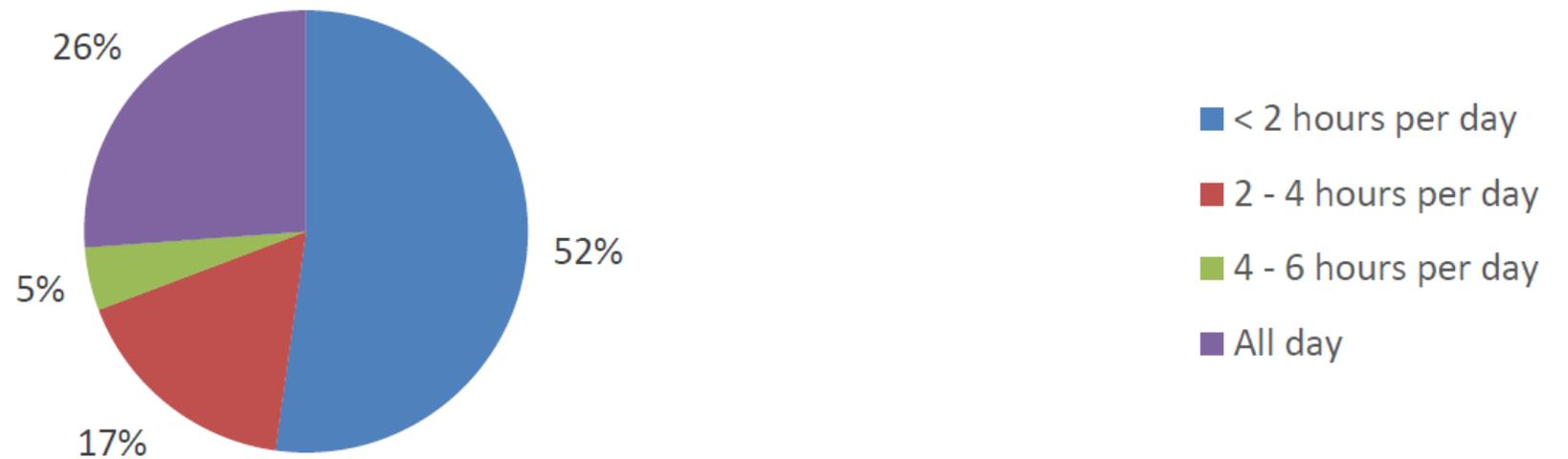
FINDINGS

A School Resource Officer is in my Building:



FINDINGS

A School Resource Officer is in my Elementary:



FINDINGS

A School Resource Officer is in my High School:



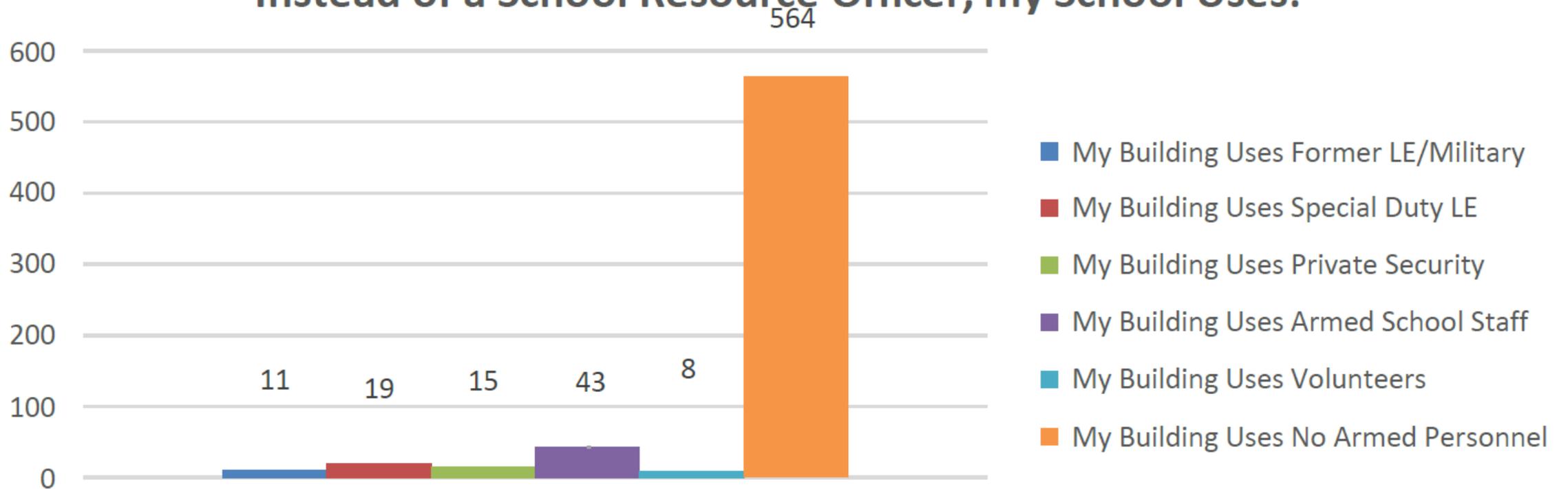
ALTERNATIVE SECURITY PERSONNEL

Former Law Enforcement/Military	2.5%
Special Duty Law Enforcement	4.3%
Private Security Guards	<1%
School Staff	9.8%
Approved Volunteers	<1%
No Armed Personnel	84%



FINDINGS

Instead of a School Resource Officer, my School Uses:



REPORT RECOMMENDATIONS

#1. Risk Assessment

#2. Safety and Security Guidelines for K-12 Schools

#3. Cost Effective Security Upgrades



#1 RISK ASSESSMENT

- Risk assessment and “all-hazards” safety plan
 - Updated annually
 - Include physical security measures



#2 SAFETY AND SECURITY GUIDELINES FOR K-12 SCHOOLS

- Review the “Safety and Security Guidelines for K-12 Schools”
 - Created by Partner Alliance for Safer Schools (PASS)
 - Five location based layers of protection (from district to classroom)
 - Physical building security components
 - Architectural
 - Communication
 - Access control
 - Video surveillance
 - Detection and alarms



#2 PASS CHECKLIST: DISTRICT-WIDE LAYER

 DISTRICT-WIDE LAYER	TIER 1	TIER 2	TIER 3	TIER 4	Our Status			
	Achieved	In Progress	Future Need	Not Required				
• POLICIES AND PROCEDURES								
» School and District Emergency Protocols & Responsibilities Defined	✓	✓	✓	✓				
» Dedicated Security Director/Department	✓	✓	✓	✓				
» Climate and Cultural Survey of Stakeholders	✓	✓	✓	✓				
» Establishment of Safety Policies and Procedures	✓	✓	✓	✓				
» Sharing Maps and Other Facility Information With Law Enforcement, Fire and EMS	✓	✓	✓	✓				
» District-Wide Physical Security Standards	✓	✓	✓	✓				
» Annual Physical Security Assessments Based on District-Wide Standards	✓	✓	✓	✓				
» Ensure Maintenance of Security Technology Implementations	✓	✓	✓	✓				
» Incident Report Documentation System	✓	✓	✓	✓				
» Independent Security Assessment on 5-Year Cycle				✓				
VISITOR MANAGEMENT SYSTEM								
» Visitor Badging System	✓	✓	✓	✓				
» Electronic Visitor Management System		✓	✓	✓				
STUDENT AND STAFF IDENTIFICATION								
» Volunteer Background Checks	✓	✓	✓	✓				
» Student Identification Badges	✓	✓	✓	✓				
» Smart Card Identification Badges			✓	✓				



#2 PASS CHECKLIST: DISTRICT-WIDE LAYER-CONT'D

 DISTRICT-WIDE LAYER (cont.)	TIER 1	TIER 2	TIER 3	TIER 4	Our Status			
	Achieved	In Progress	Future Need	Not Required				
• ARCHITECTURAL								
» Facility and Vicinity Mapping	✓	✓	✓	✓				
» Printed or Electronic "Tactical Floor Plans"		✓	✓	✓				
» Building Information Modeling (BIM)			✓	✓				
• COMMUNICATION								
» Memorandums of Understanding (MOUs) With Emergency Responders for Threat Information Sharing and Building Access	✓	✓	✓	✓				
» MOUs With Hospitals, Religious Organizations, Community Centers and Red Cross	✓	✓	✓	✓				
» Wide-Area Two-Way Radio System	✓	✓	✓	✓				
» Trunked Radio System		✓	✓	✓				
» Mass Notification Unified With Emergency Communications System			✓	✓				
WEATHER MONITORING								
» Monitor NOAA Local Weather Information	✓	✓	✓	✓				
» Weather Monitoring Service		✓	✓	✓				
» Weather Monitoring Station at Central School Facility			✓	✓				
» Weather Monitoring Station at School Facilities Every 10 Miles				✓				
• ACCESS CONTROL								
» Command Staff/Responder Access to Keys or Credentials for Emergency Entry	✓	✓	✓	✓				



#2 PASS CHECKLIST: PROPERTY PERIMETER LAYER

PROPERTY PERIMETER LAYER	TIER 1	TIER 2	TIER 3	TIER 4	Our Status			
					Achieved	In Progress	Future Need	Not Required
• POLICIES AND PROCEDURES								
» Implement NCS4 Best Practices for Outdoor Activities and Events	✓	✓	✓	✓				
» Security Patrols		✓	✓	✓				
» Annual Assessment for Lighting			✓	✓				
• ARCHITECTURAL								
» Signage Directing Visitors to a Designated Entrance	✓	✓	✓	✓				
» Apply CPTED Principles to Promote Territorial Reinforcement	✓	✓	✓	✓				
» Trespassing, Video Surveillance and Access Notification Signage	✓	✓	✓	✓				
» Properly Positioned Exterior Lights	✓	✓	✓	✓				
» Debris Clearance	✓	✓	✓	✓				
» Gates at Entrances		✓	✓	✓				
» Landscaping to Control Vehicle Access		✓	✓	✓				
» Lighting to Enhance Video Surveillance			✓	✓				
• COMMUNICATION								
» Audible Mass Notification for Students and Staff	✓	✓	✓	✓				
» Local Area Two-Way Radio System Between Office and Staff		✓	✓	✓				
» Visual Indicators Specific to Hazard			✓	✓				
» Digital Low-Band Radio System Connected to District-Wide System			✓	✓				



#2 PASS CHECKLIST: PARKING LOT PERIMETER LAYER

 PARKING LOT PERIMETER LAYER	TIER 1	TIER 2	TIER 3	TIER 4	Our Status			
	Achieved	In Progress	Future Need	Not Required				
• POLICIES AND PROCEDURES								
» Security Training for Staff and Volunteers	✓	✓	✓	✓				
» Parking Tags	✓	✓	✓	✓				
» Assign Staff to Periodically Check Parking Lot		✓	✓	✓				
» Persistent Staff Patrol			✓	✓				
» RFID Parking Tags			✓	✓				
» Staff Capability to Initiate Emergency Protocols From Exterior				✓				
• ARCHITECTURAL								
» Apply CPTED Principles to Enhance Natural Surveillance	✓	✓	✓	✓				
» Signage (Directing to Appropriate Areas)	✓	✓	✓	✓				
» Signage Directing to Emergency Communication Device	✓	✓	✓	✓				
• COMMUNICATION								
» Wide Area Mass Notification System (MNS)			✓	✓				
» Two-Way Emergency Phones			✓	✓				
» Audible and Visual Mass Notification Tied to District-Wide System				✓				
• ACCESS CONTROL								
» Barrier Gates Integrated With Access Control				✓				
• VIDEO SURVEILLANCE								



#2 PASS CHECKLIST: BUILDING PERIMETER LAYER

 BUILDING PERIMETER LAYER	TIER 1	TIER 2	TIER 3	TIER 4	Our Status				
	Achieved	In Progress	Future Need	Not Required					
• POLICIES AND PROCEDURES									
» Categorization of All Exterior Openings	✓	✓	✓	✓					
» Entrances Marked With First Responder Numbering System	✓	✓	✓	✓					
» Policy Established for Control of Exterior Openings	✓	✓	✓	✓					
» Key Control Procedures	✓	✓	✓	✓					
» Complete Distributed Antenna System (DAS) Site Survey	✓	✓	✓	✓					
• PEOPLE (ROLES AND TRAINING)									
» Staff Trained to Lock/Unlock Doors per Policy	✓	✓	✓	✓					
» Visitor Management Policy/Process Training	✓	✓	✓	✓					
• ARCHITECTURAL									
» Signage (Directing to Appropriate Areas)	✓	✓	✓	✓					
» Apply CPTED Principles Allowing Natural Access Control and Surveillance	✓	✓	✓	✓					
» Secured Vestibule	✓	✓	✓	✓					
» Emergency Building Access System for Fire/Law Enforcement	✓	✓	✓	✓					
» DAS (New Construction/Renovation)	✓	✓	✓	✓					
» One-Way Film on Exterior Windows to Prevent Visual Access	✓	✓	✓	✓					
» Security Film on Exterior Door Vision Panels and Sidelites	✓	✓	✓	✓					
» Ballistic Security Glass for Exterior Door Vision Panels and Sidelites			✓	✓					



#2 PASS CHECKLIST: CLASSROOM/ INTERIOR PERIMETER LAYER

 CLASSROOM/INTERIOR PERIMETER LAYER	TIER 1	TIER 2	TIER 3	TIER 4	Our Status			
	Achieved	In Progress	Future Need	Not Required				
• POLICIES AND PROCEDURES								
» Classroom Doors Closed and Locked When Occupied	✓	✓	✓	✓				
• PEOPLE (ROLES AND TRAINING)								
» Teachers, Staff and Substitutes Trained on Emergency Protocols	✓	✓	✓	✓				
• ARCHITECTURAL								
» Security Film on Door Vision Panels and Sidelites	✓	✓	✓	✓				
» "Narrow-Lite" Style Classroom Doors with Blinds	✓	✓	✓	✓				
» Compartmentalize Building with Cross-Corridor Doors	✓	✓	✓	✓				
» Reinforced Walls at Shelter in Place Areas (New Construction)	✓	✓	✓	✓				
» Safety/Security Optimization of Classroom Door Installation (New Construction)	✓	✓	✓	✓				
• COMMUNICATION								
» Public Address System	✓	✓	✓	✓				
» E-911 Added to Phone System (No Codes)	✓	✓	✓	✓				
» Two-way Intercom System With Call Buttons		✓	✓	✓				
» Duress Button System - Office and Classroom		✓	✓	✓				
» In-Building Emergency Communication System			✓	✓				
» Distributed Antenna System (DAS)			✓	✓				
» Mass Notification Tied to District-Wide System			✓	✓				



#3 COST EFFECTIVE SECURITY UPGRADES

- Analysis of cost-effectiveness is highly individualized
- Professional design and/or security consultants
 - Develop costs and benefits of the security measure
 - Local decision
 - Weigh effectiveness vs. cost
 - Appendix 5 includes nine specific cost examples



ADDITIONAL SCHOOL SAFETY RESOURCES

- OFCC School Security Grant Program
- Bureau of Workers Compensation Grant Program for School Security
- HB 318's School Safety Training Program
- Center for P-20 Safety and Security



OFCC SCHOOL SECURITY GRANT PROGRAM

- \$5,000 for the purchase of an entrance security system at one main entrance per school
- \$2,000 for one emergency communications system per building
 - 80% of eligible schools participated / \$15.7 million awarded
 - 1.7 million students served
 - 3,386 school buildings affected
 - 5,214 grants awarded
 - 2,460 entrance grants
 - 2,754 emergency communications system grants



BWC GRANT PROGRAM FOR SCHOOL SECURITY

- \$4 million in grants in two years for school safety and security
- Provides 3-1 matching grants up to \$40,000 to:
 - Licensed public and private pre-K-12 educational facilities for:
 - Incident response equipment
 - Building/grounds/transportation security enhancements
 - Safety interventions



HB 318'S SCHOOL SAFETY TRAINING PROGRAM

- Ohio Attorney General's Office
- Public, chartered nonpublic, schools operated by county boards of developmental disabilities
- \$12 million in grants to pay for school safety programs and training
- More than 1,700 schools qualified for grants



CENTER FOR P-20 SAFETY AND SECURITY

- Ohio Homeland Security
- Goal: provide guidance and direction to promote physically safe and emotionally secure environments
 - School climate
 - Safety
 - Security
 - Emergency management concerns



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QUESTIONS?

