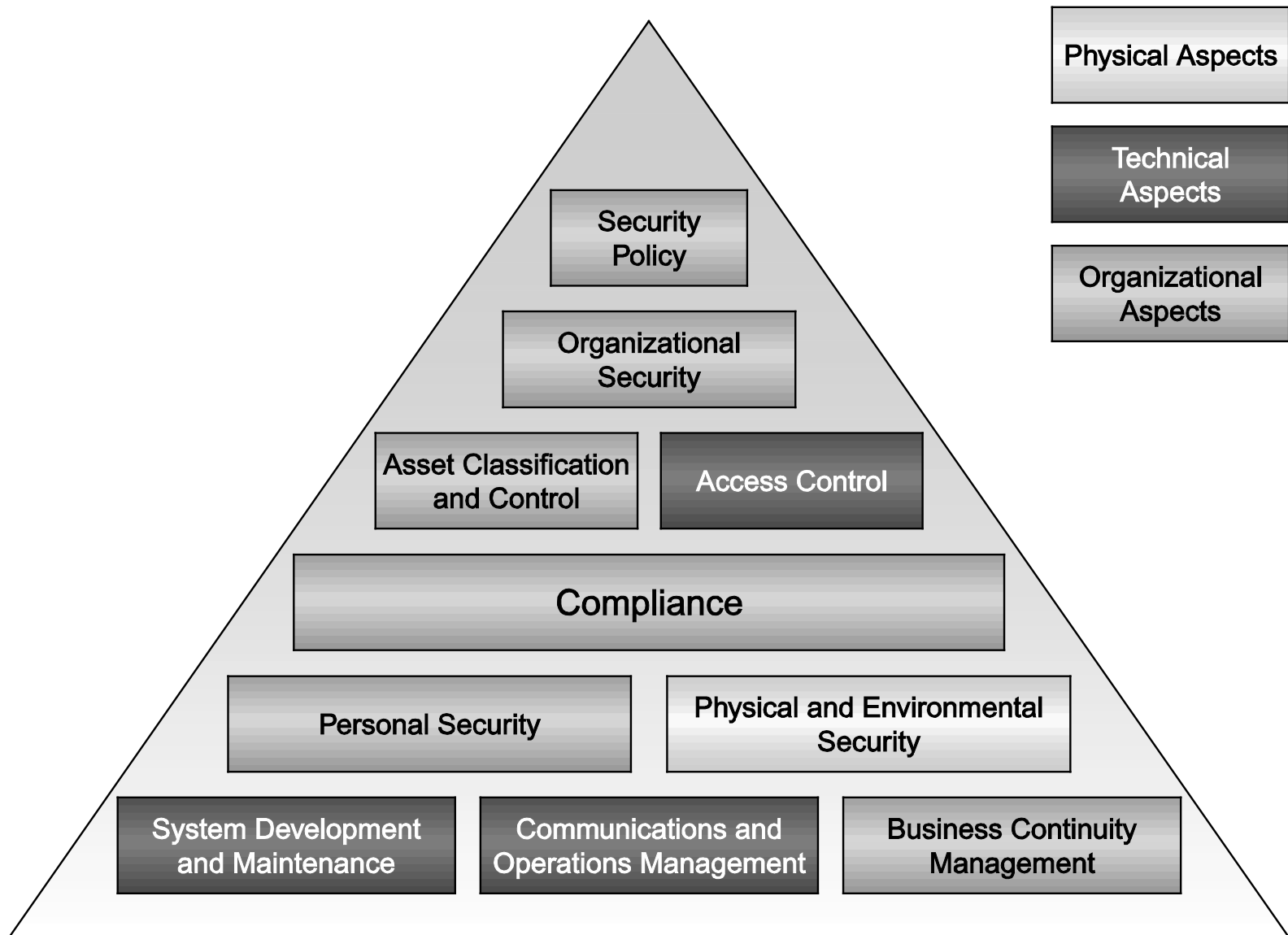
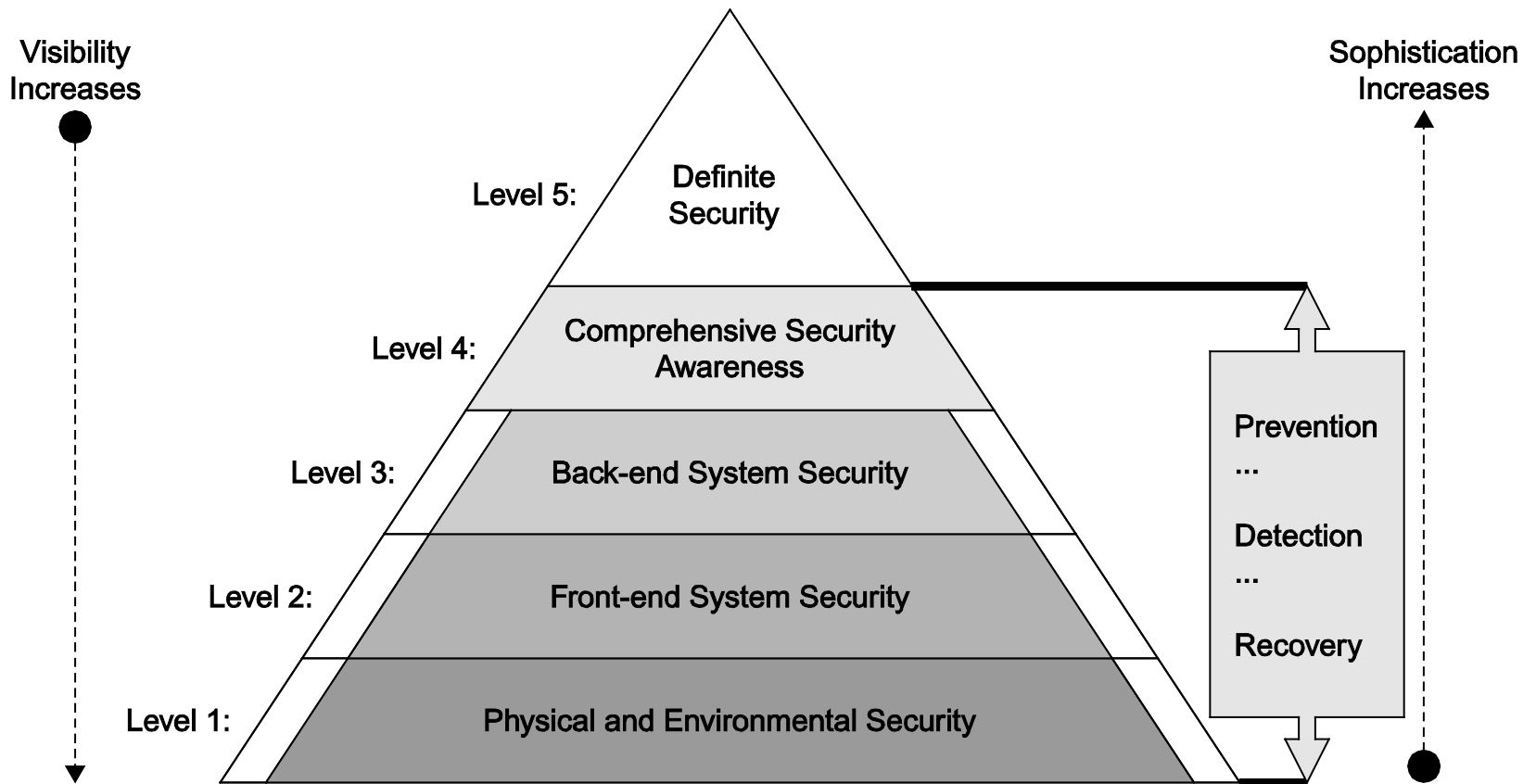


Chapter 21

Information Security Essentials
for IT Managers: Protecting
Mission-Critical Systems



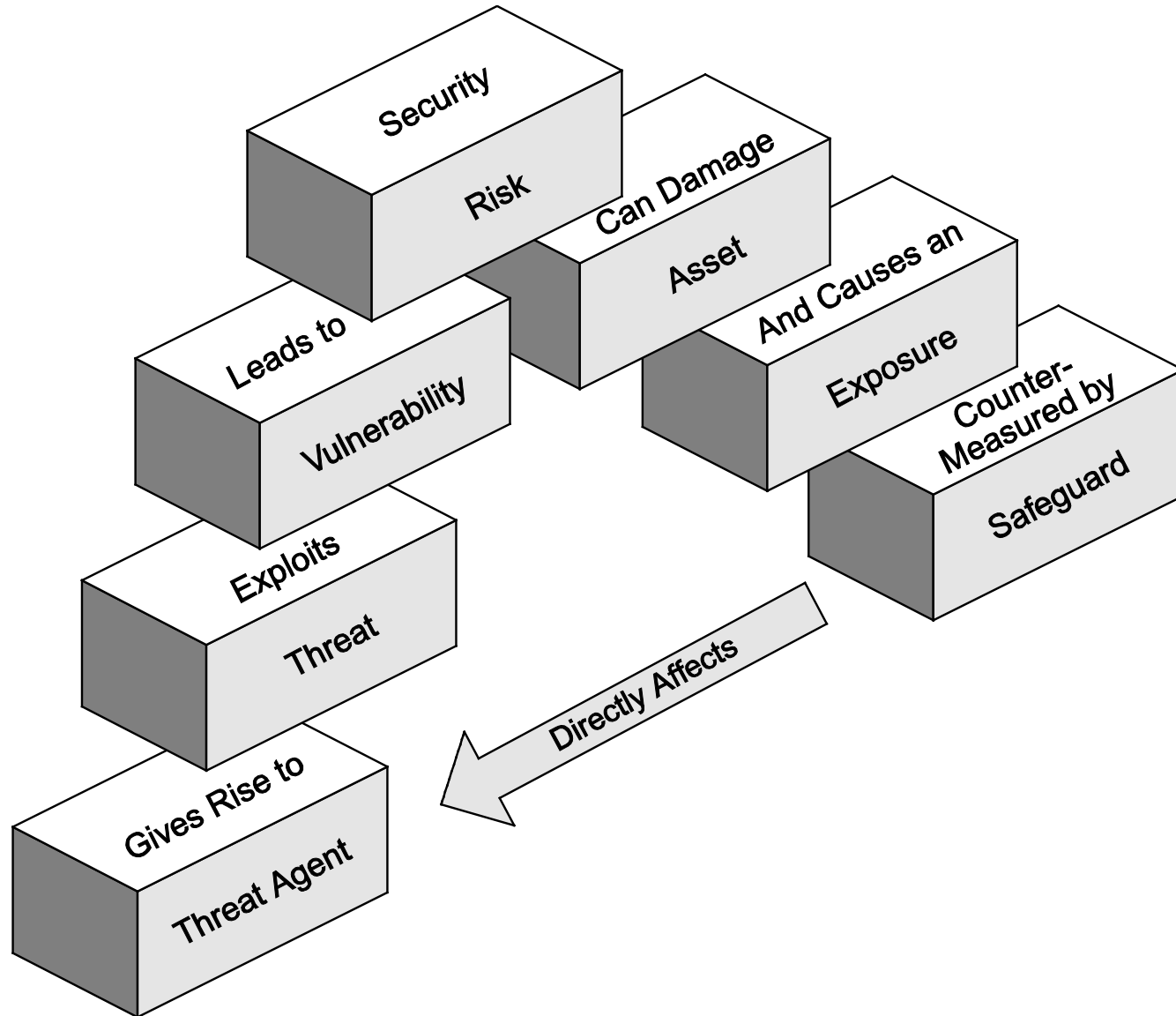
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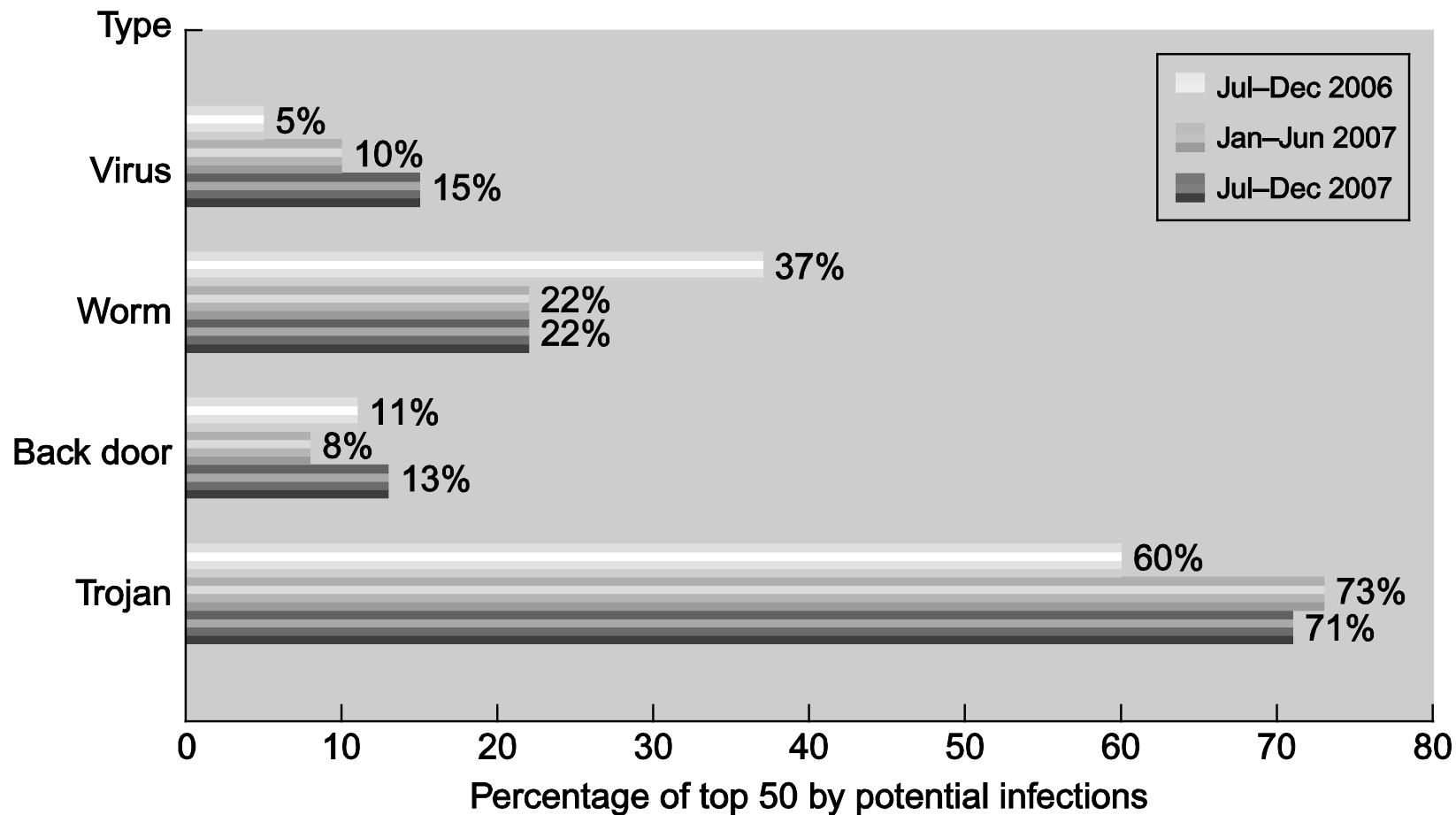
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ISO 17799			ISMM (Scope of Applicability)				
Domain Number	Domain Name	Domain Subname	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5
1	Security policy	N/A	✓	✓	✓	✓	
2	Organizational security	Information security infrastructure	✓	✓	✓		
		Security of third-party access	✓	✓	✓	✓	
		Outsourcing	✓	✓	✓	✓	
3	Asset classification and control	Accountability for assets	✓	✓	✓		
		Information classification	✓	✓	✓		
4	Personnel security	Security in job definition and resourcing	✓				
		User training	✓	✓	✓	✓	
		Responding to security incidents/malfunctions	✓	✓	✓	✓	
5	Physical and environmental security	Secure areas	✓				
		Equipment security	✓				
		General controls	✓				
6	Communications and operations management	Operational procedures and responsibilities		✓	✓		
		System planning and acceptance		✓	✓		
		Protection against malicious software		✓			
		Housekeeping		✓	✓		
		Network management			✓		
		Media handling and security	✓				
		Exchange of information and software		✓			
7	Access control	Business requirement for access control	✓	✓	✓		
		User access management		✓			
		User responsibilities		✓			
		Network access control			✓		
		Operating system access control			✓		
		Application access control		✓			
		Monitoring system access and use		✓	✓		
		Mobile computing and teleworking		✓	✓		
8	System development and maintenance	Security requirement of systems		✓	✓		
		Security in application systems		✓			
		Cryptographic controls			✓		
		Security of system files		✓	✓		
		Security in development and support processes		✓	✓		
9	Business continuity management	N/A				✓	✓
10	Compliance	Compliance with legal requirements				✓	
		Review of security policy and compliance				✓	
		System audit considerations				✓	

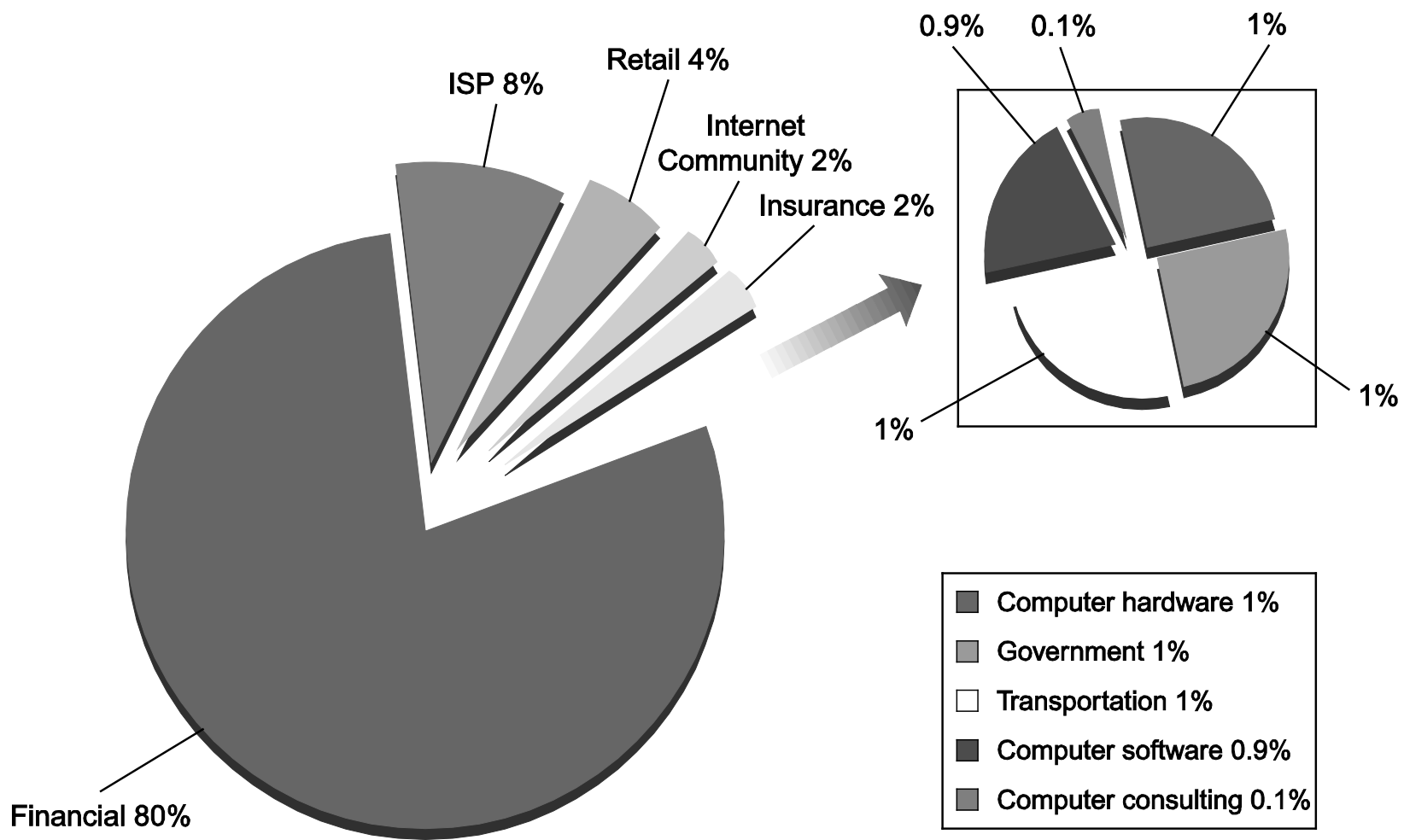
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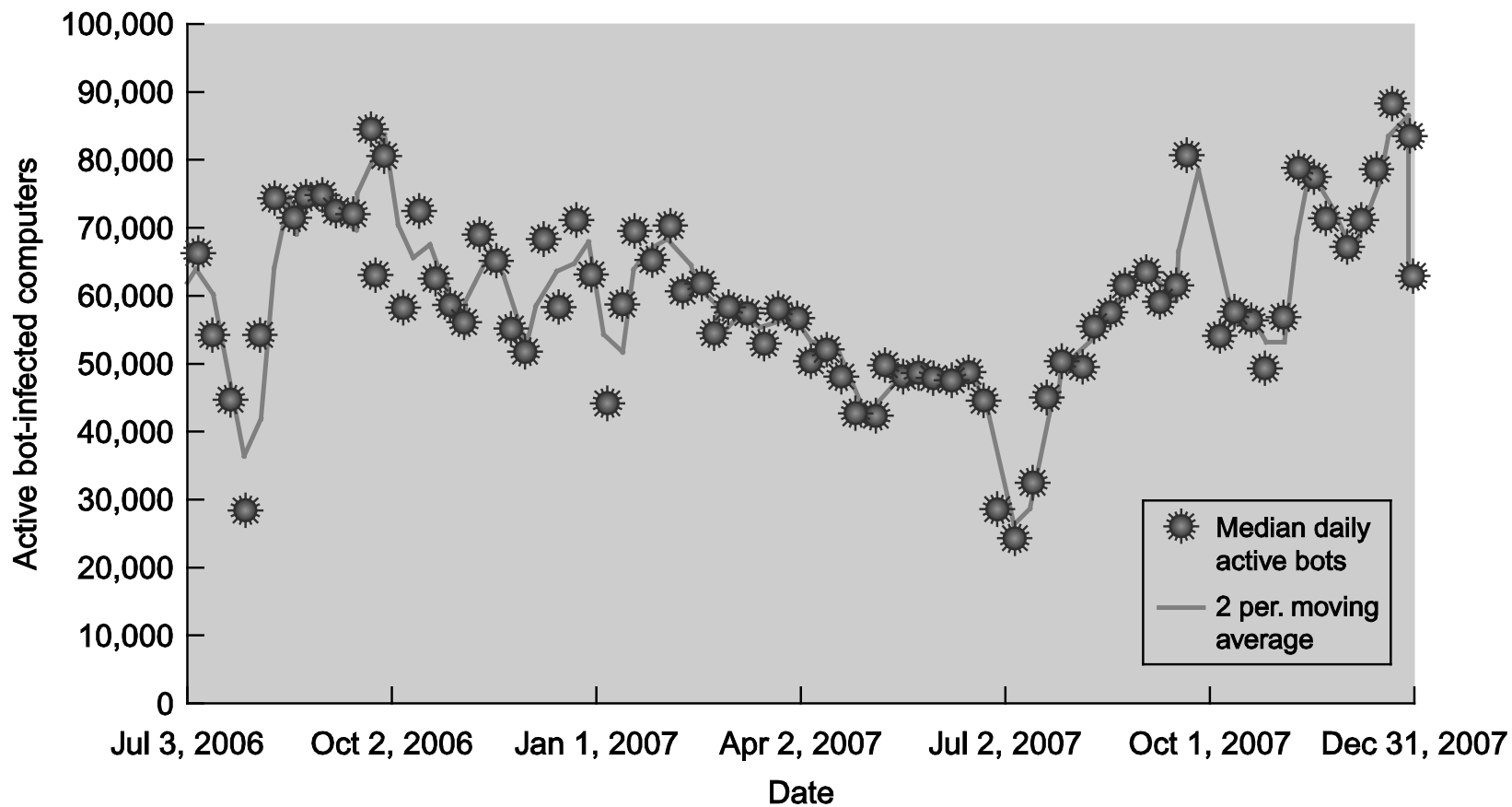
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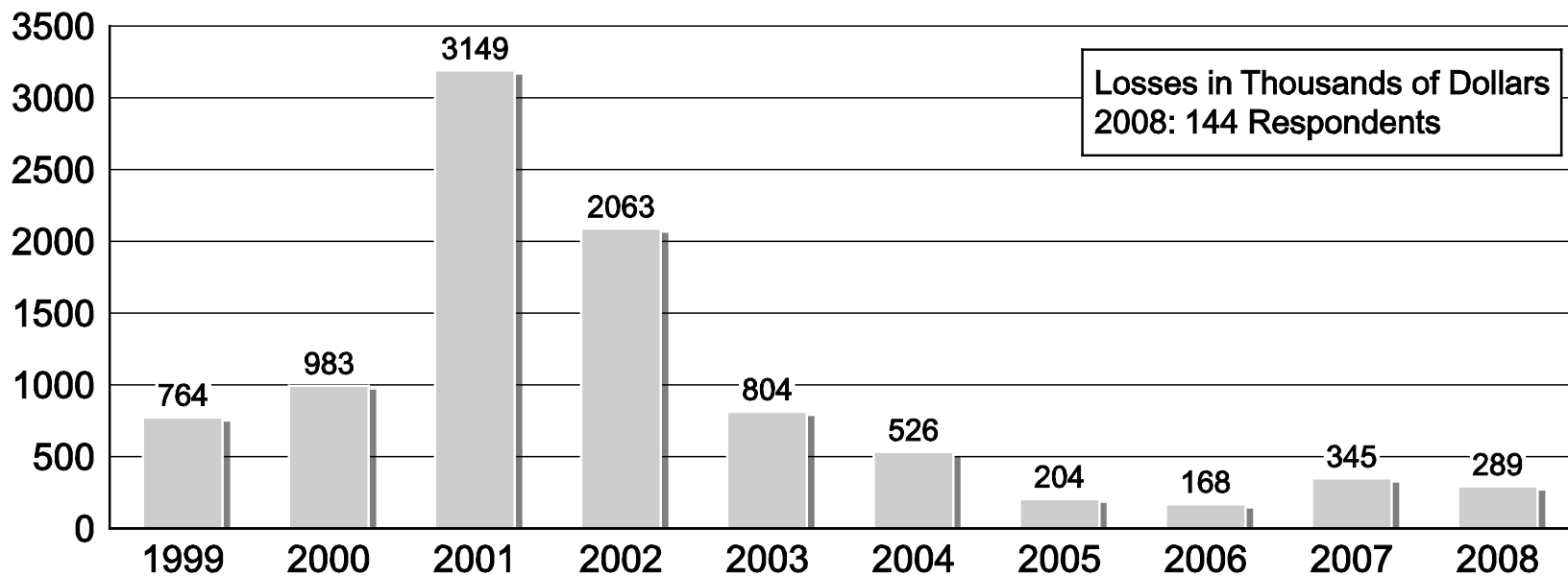
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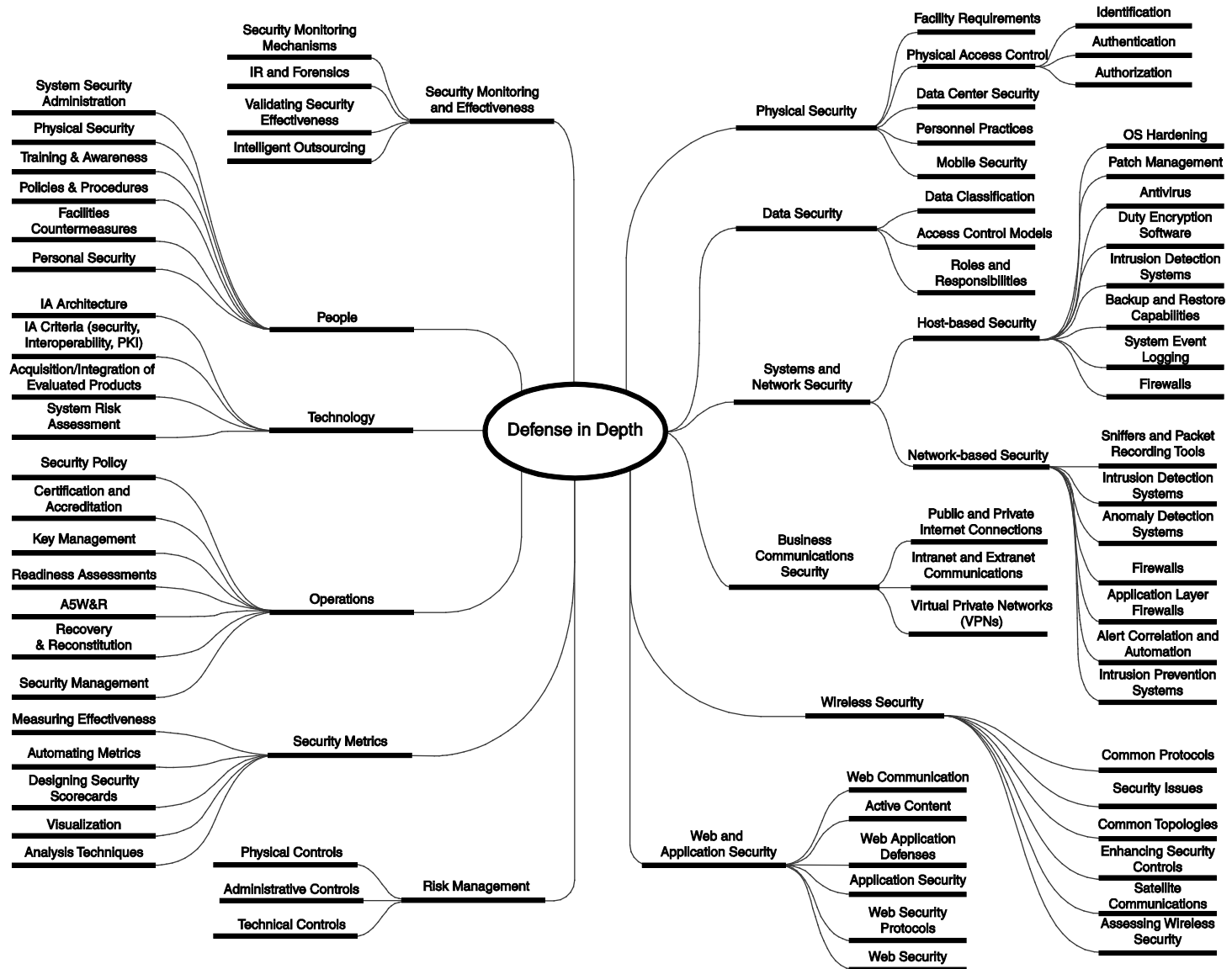
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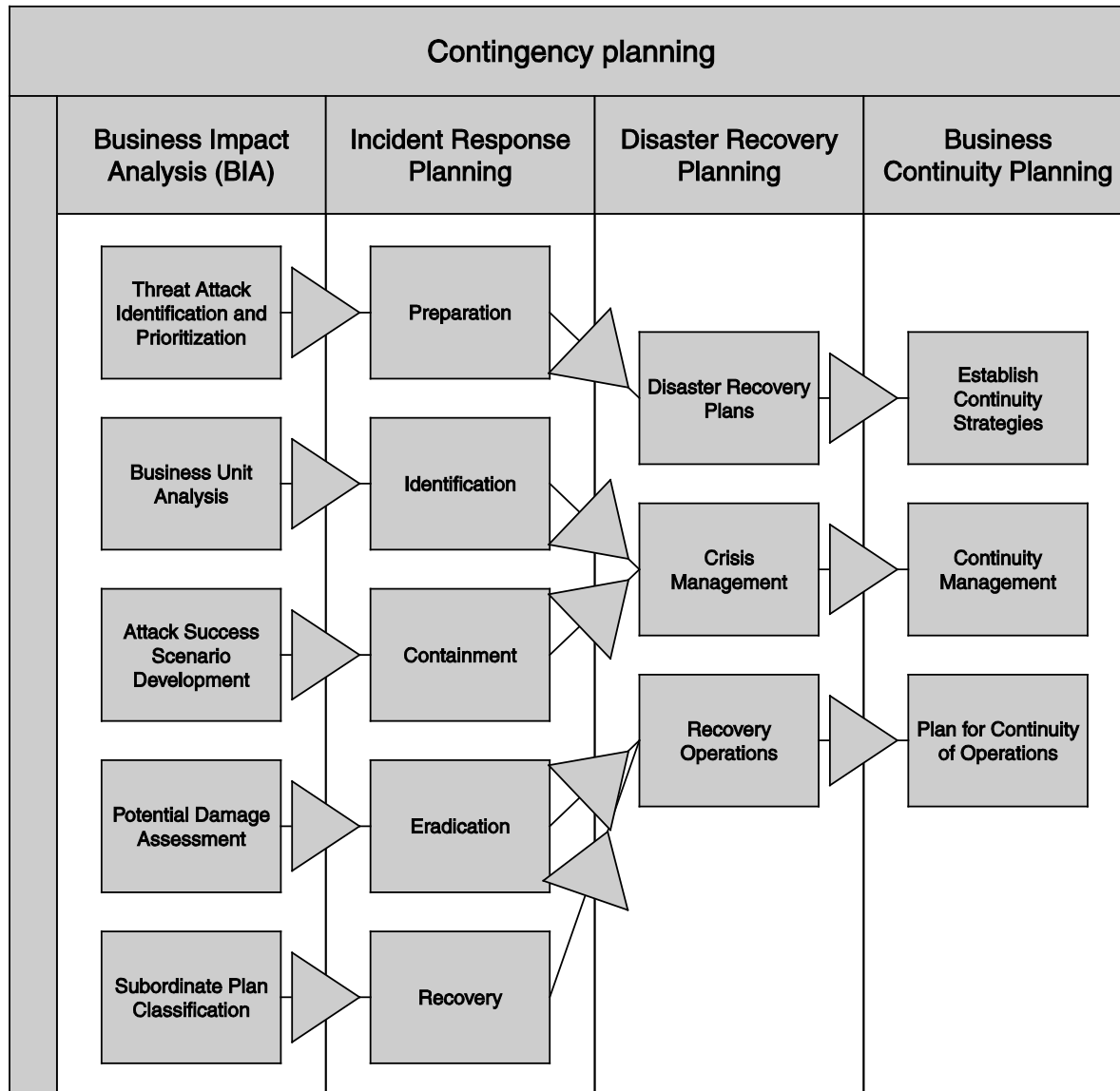
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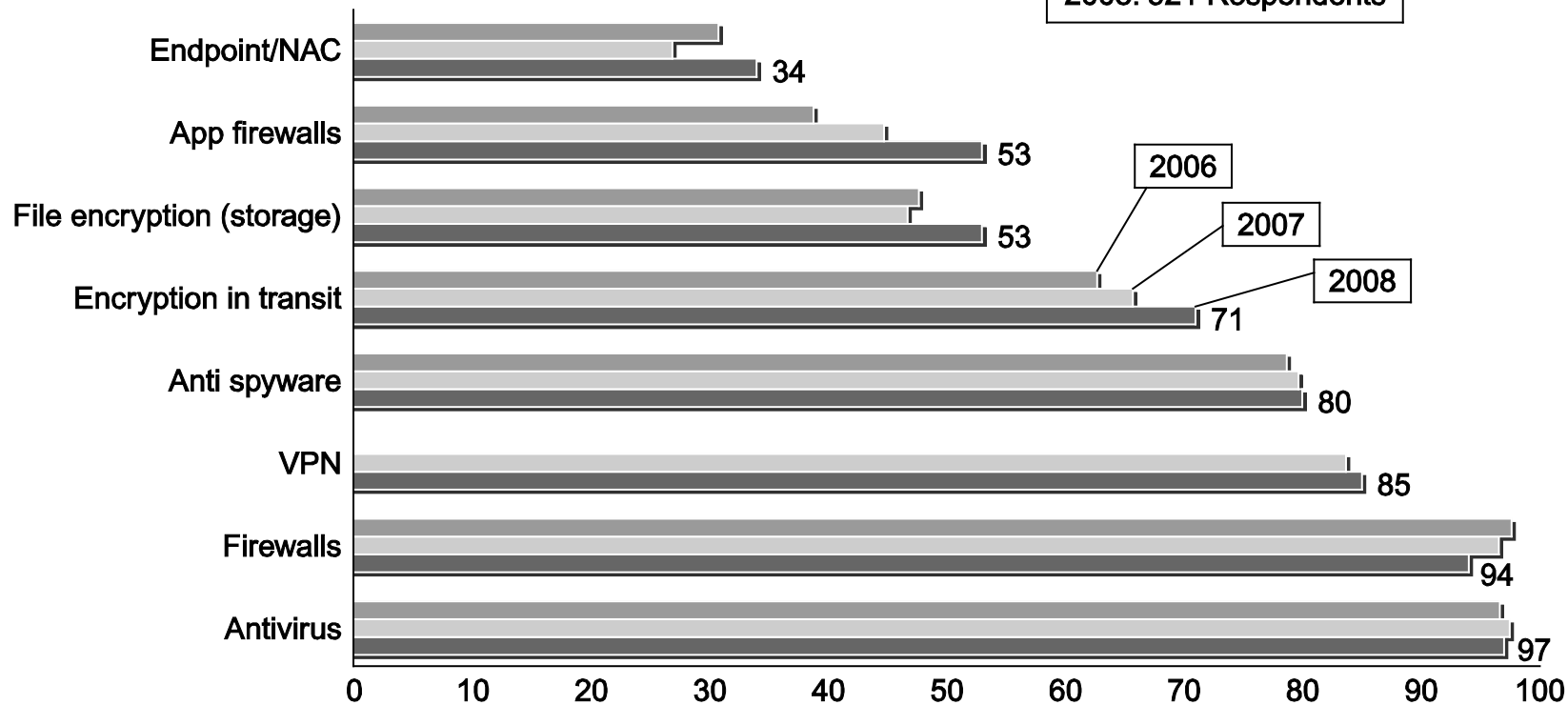


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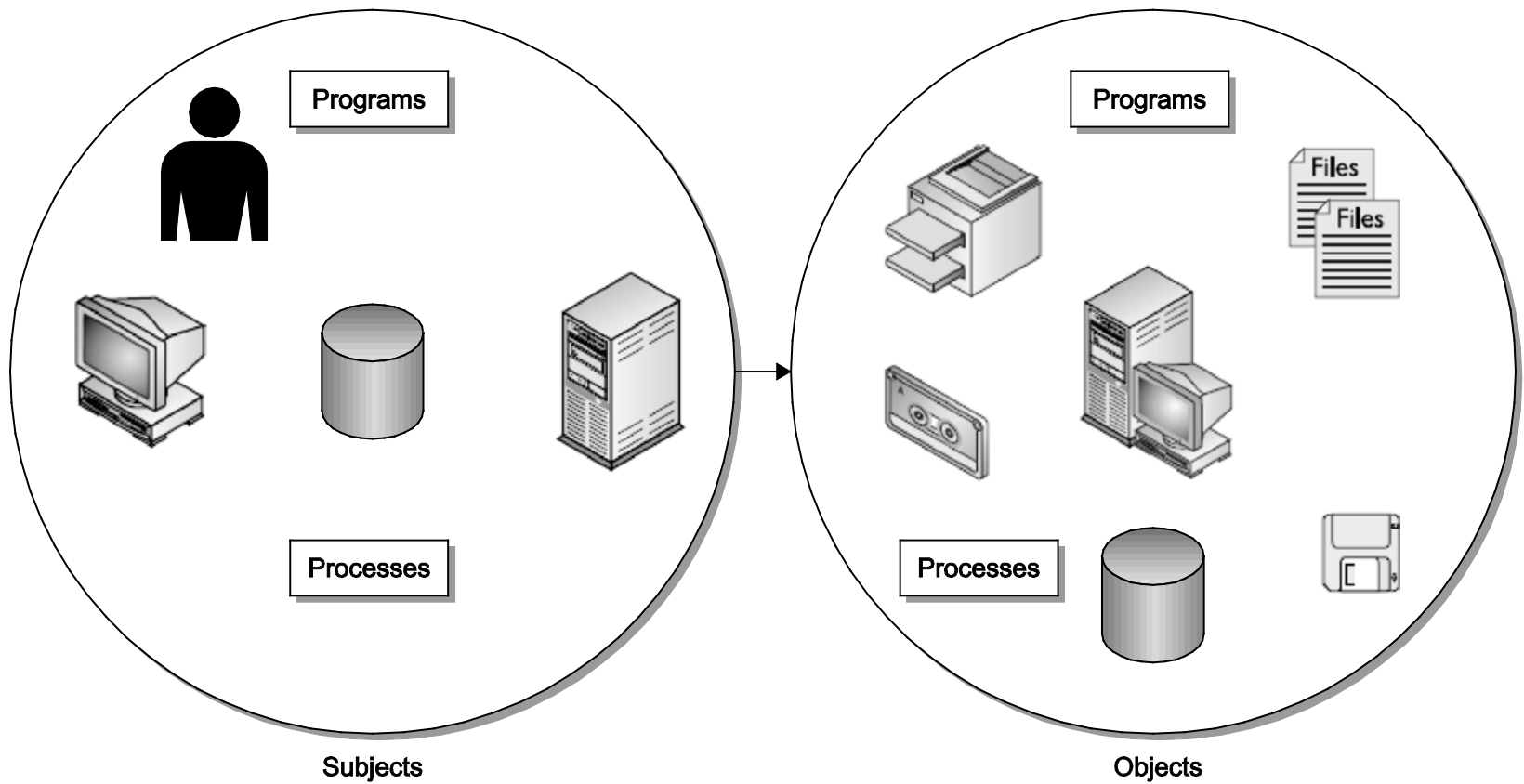


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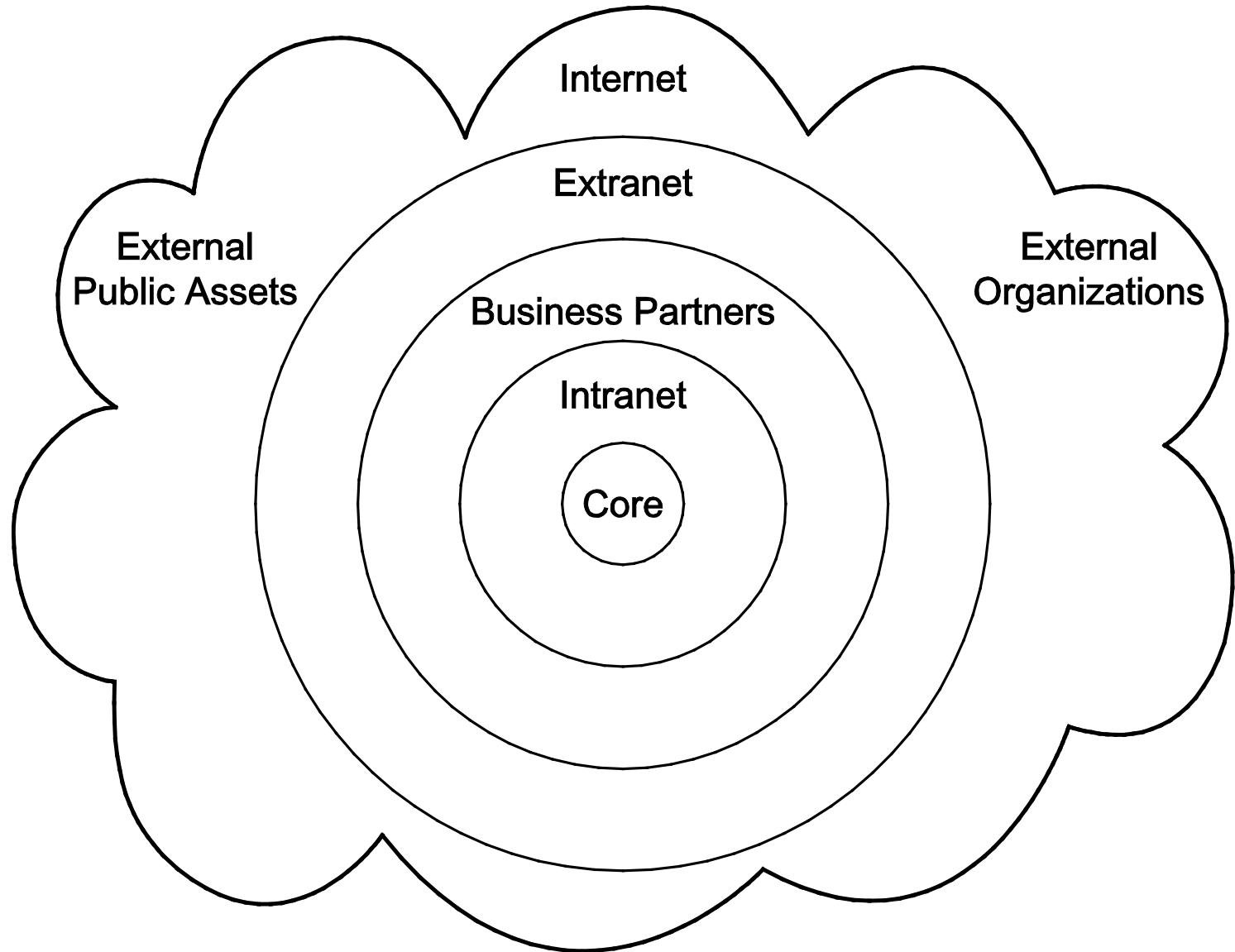
2008: 521 Respondents



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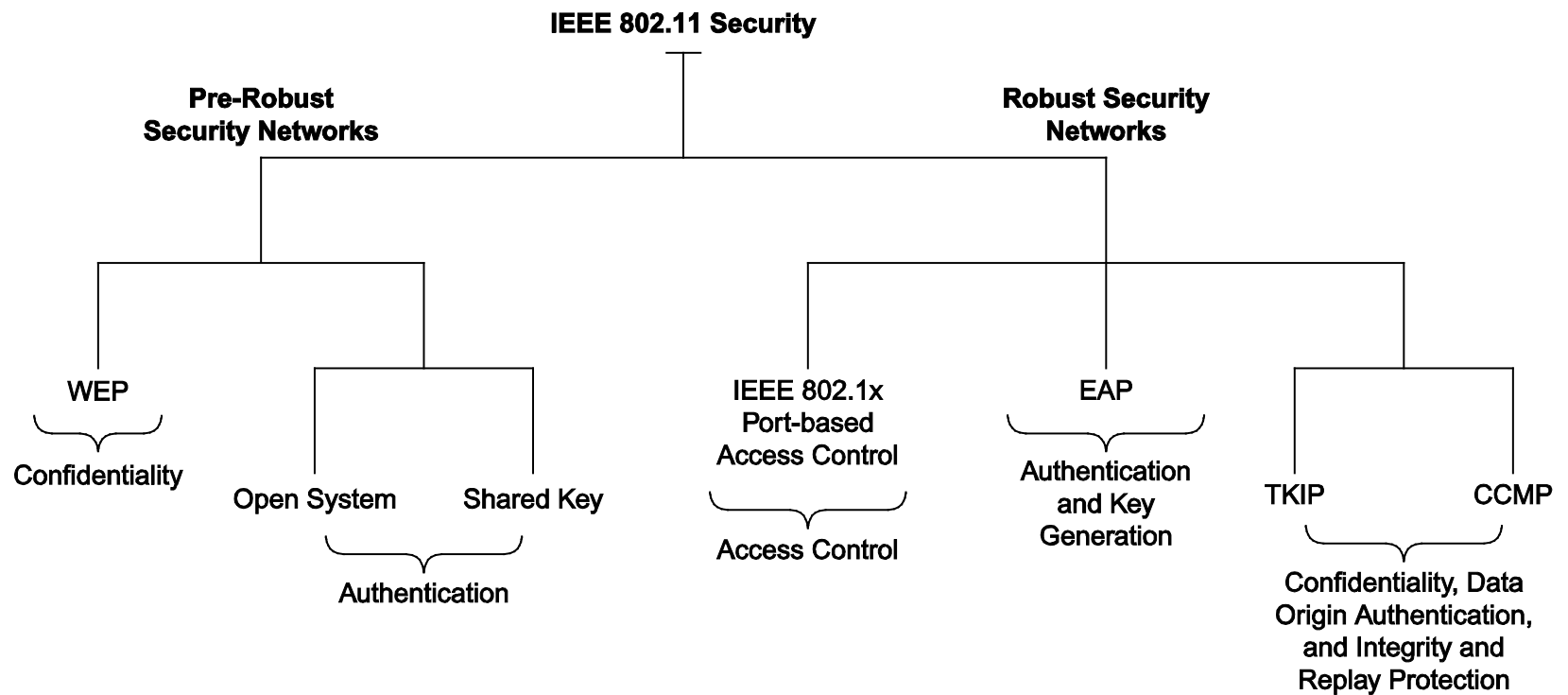
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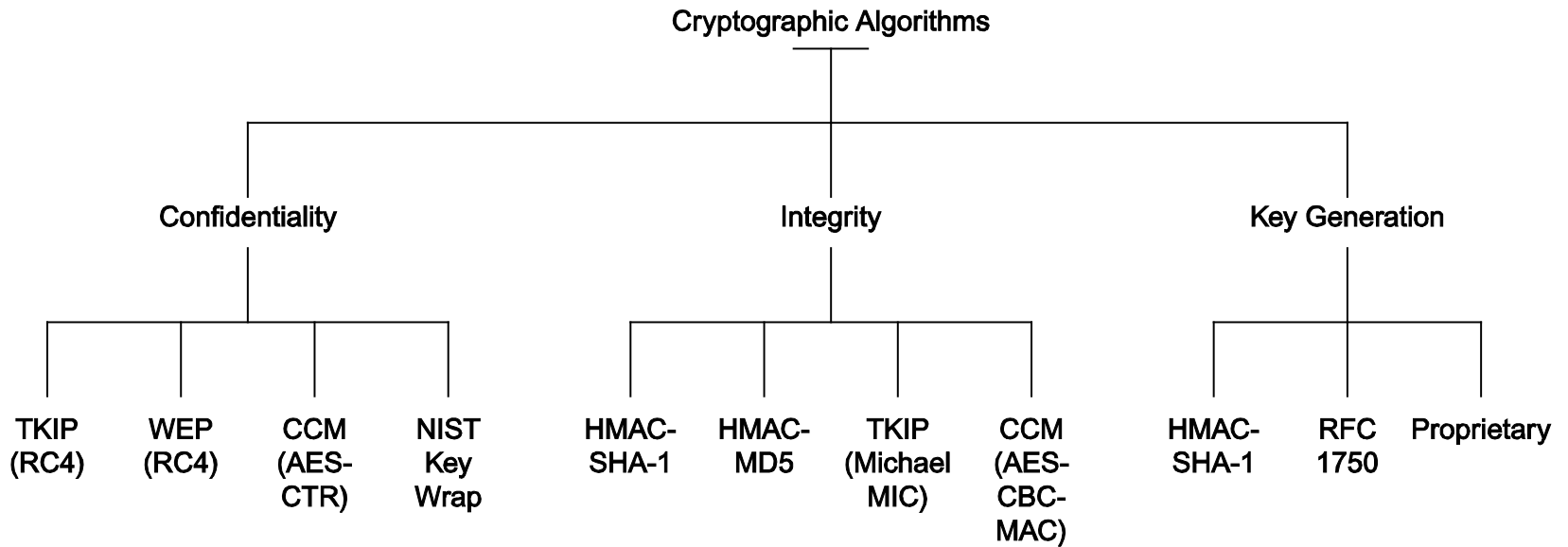
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IEEE Standard or Amendment	Maximum Data Rate	Typical Range	Frequency Band	Comments
802.11	2 Mbps	50–100 meters	2.4 GHz	
802.11a	54 Mbps	50–100 meters	5 GHz	Not compatible with 802.11b
802.11b	11 Mbps	50–100 meters	2.4 GHz	Equipment based on 802.11b has been the dominant WLAN technology
802.11g	54 Mbps	50–100 meters	2.4 GHz	Backward compatible with 802.11b

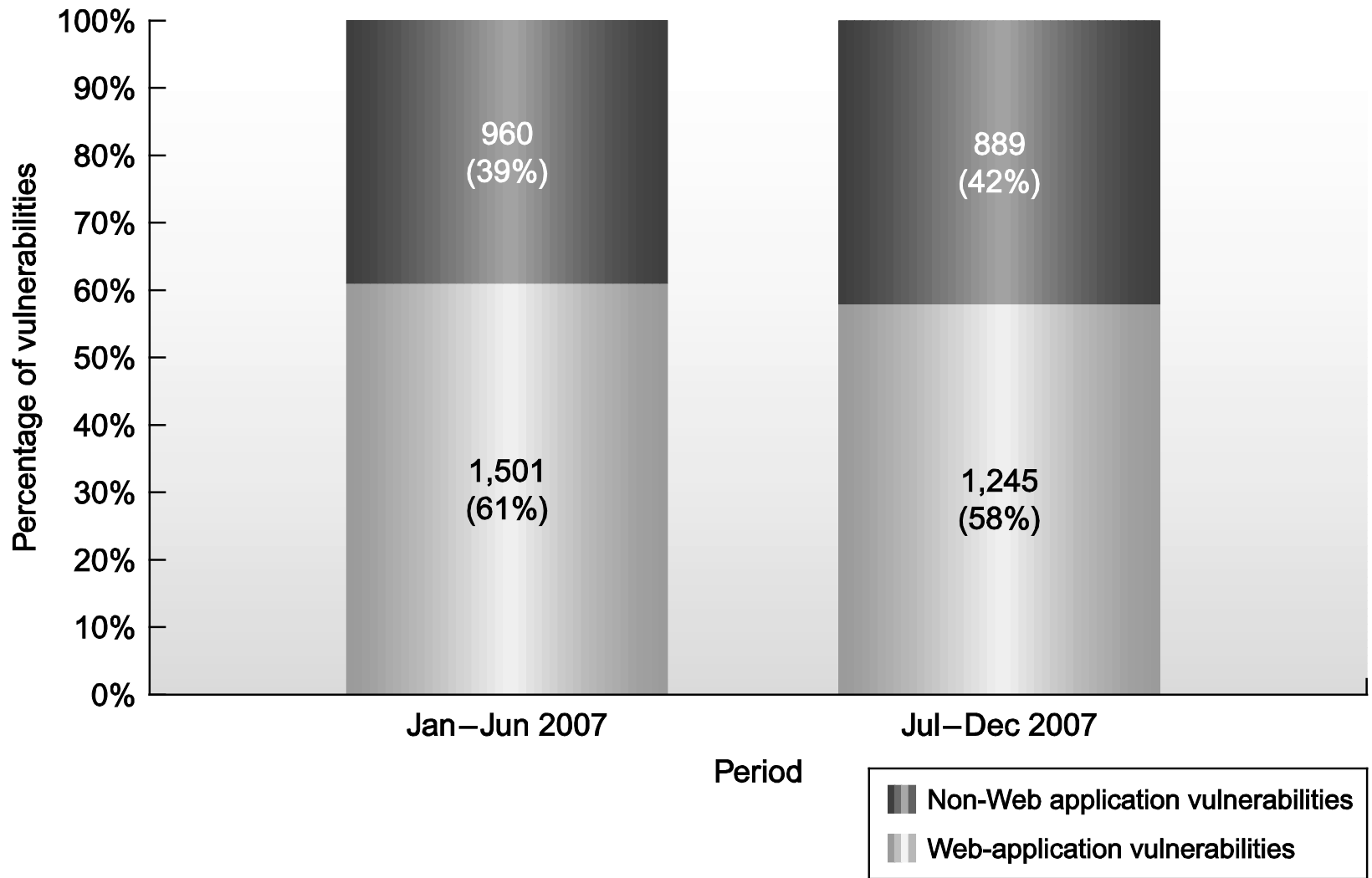
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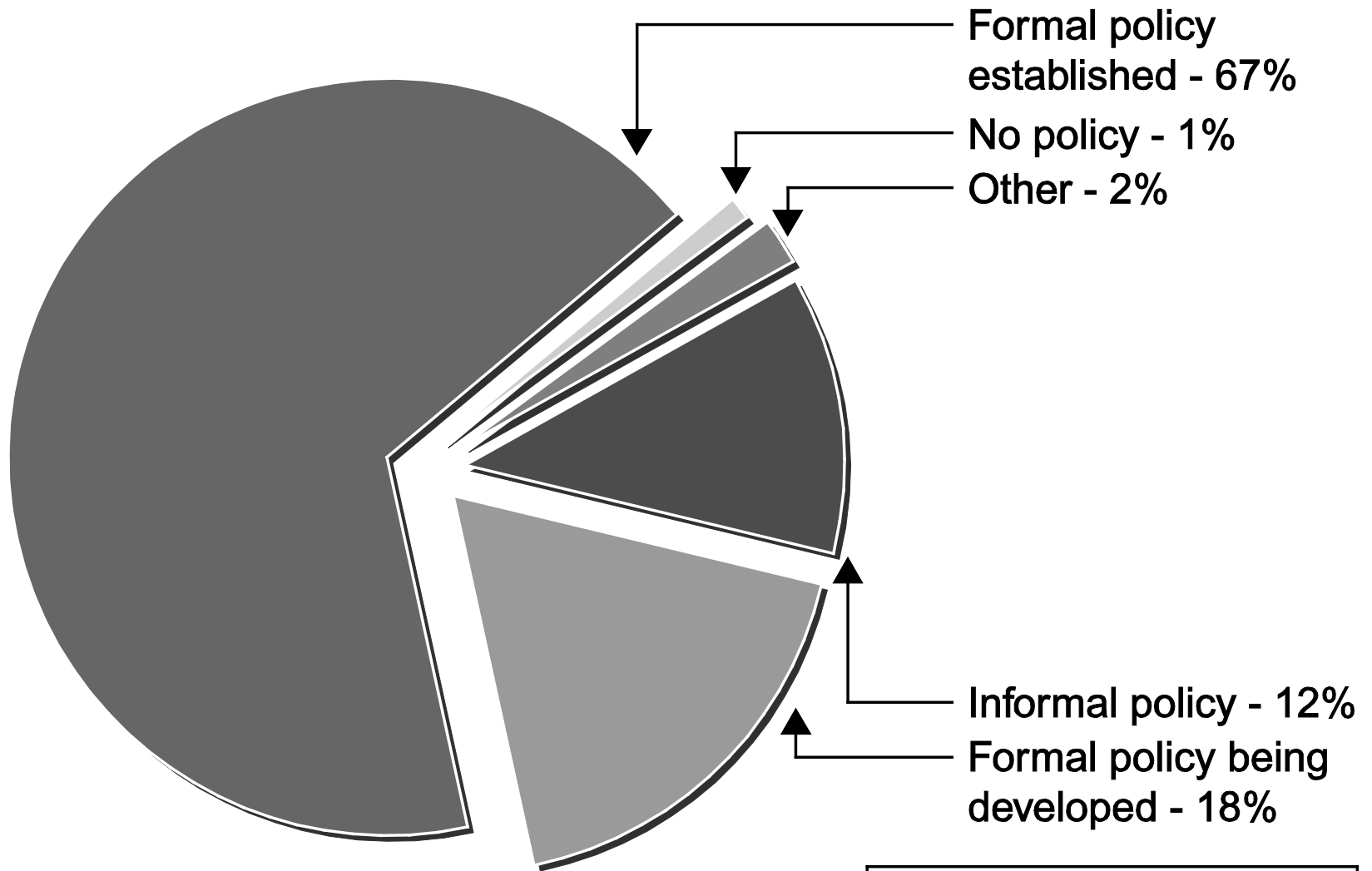
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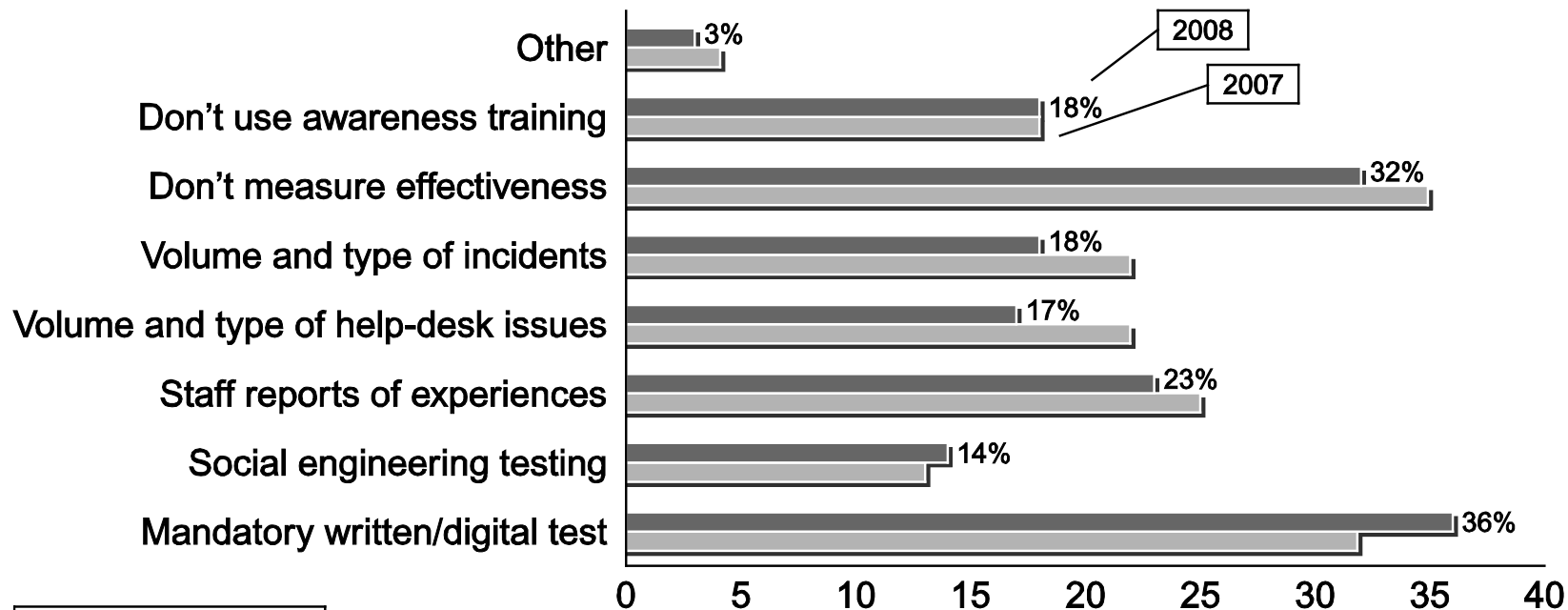


2008: 512 Respondents

f21-18-9780123943972

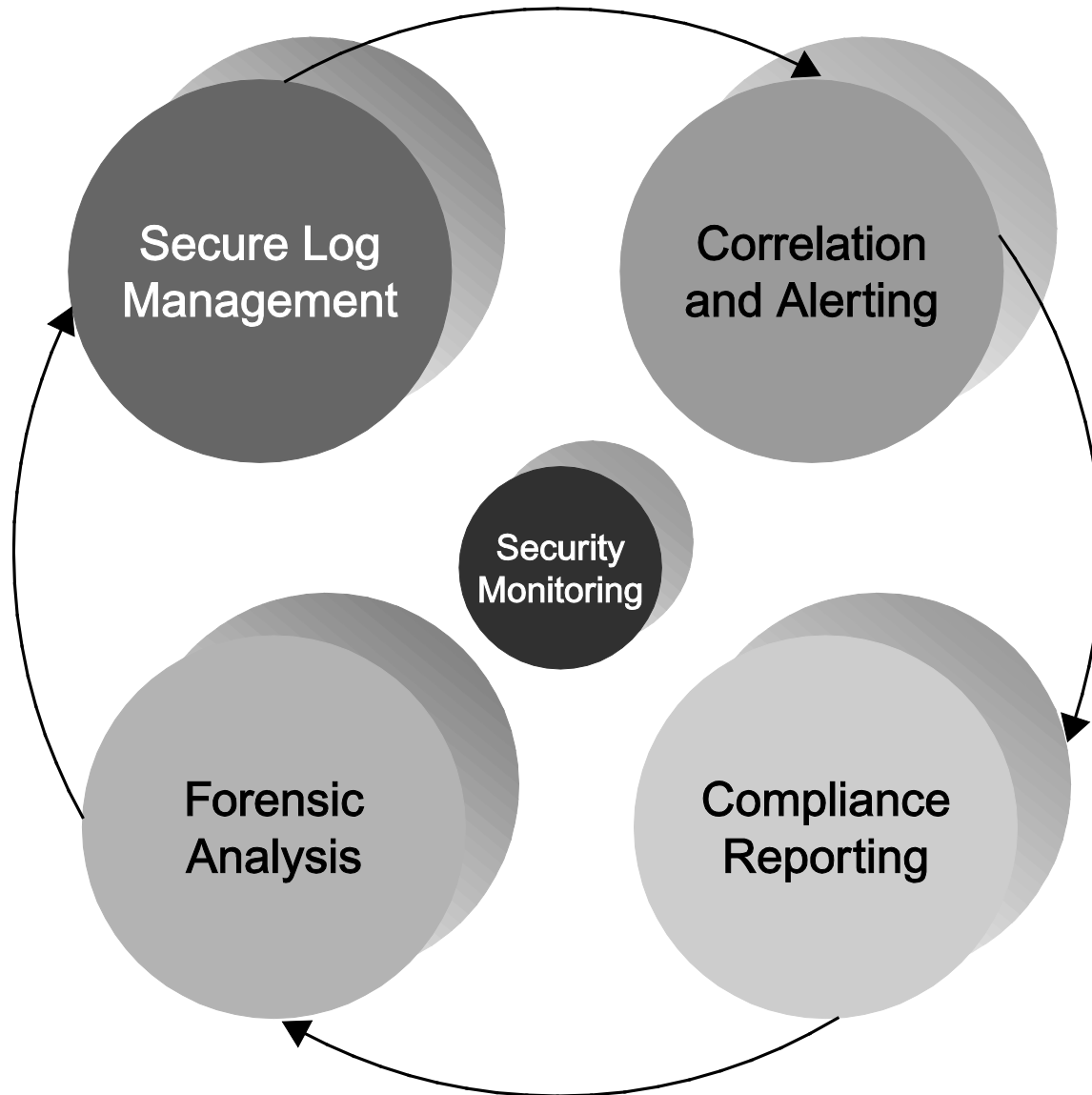
	Awareness	Training	Education
Attribute	"What"	"How"	"Why"
Level	Information	Knowledge	Insight
Objective	Recognition	Skill	Understanding
Teaching Method	<u>Media</u> Videos Newsletters Posters, etc.	<u>Practical Instruction</u> Lecture Case study workshop Hands-on practice	<u>Theoretical Instruction</u> Discussion Seminar Background reading
Test Measure	True/False Multiple Choice (identify learning)	Problem Solving (apply learning)	Essay (interpret learning)
Impact Timeframe	Short-term	Intermediate	Long-term

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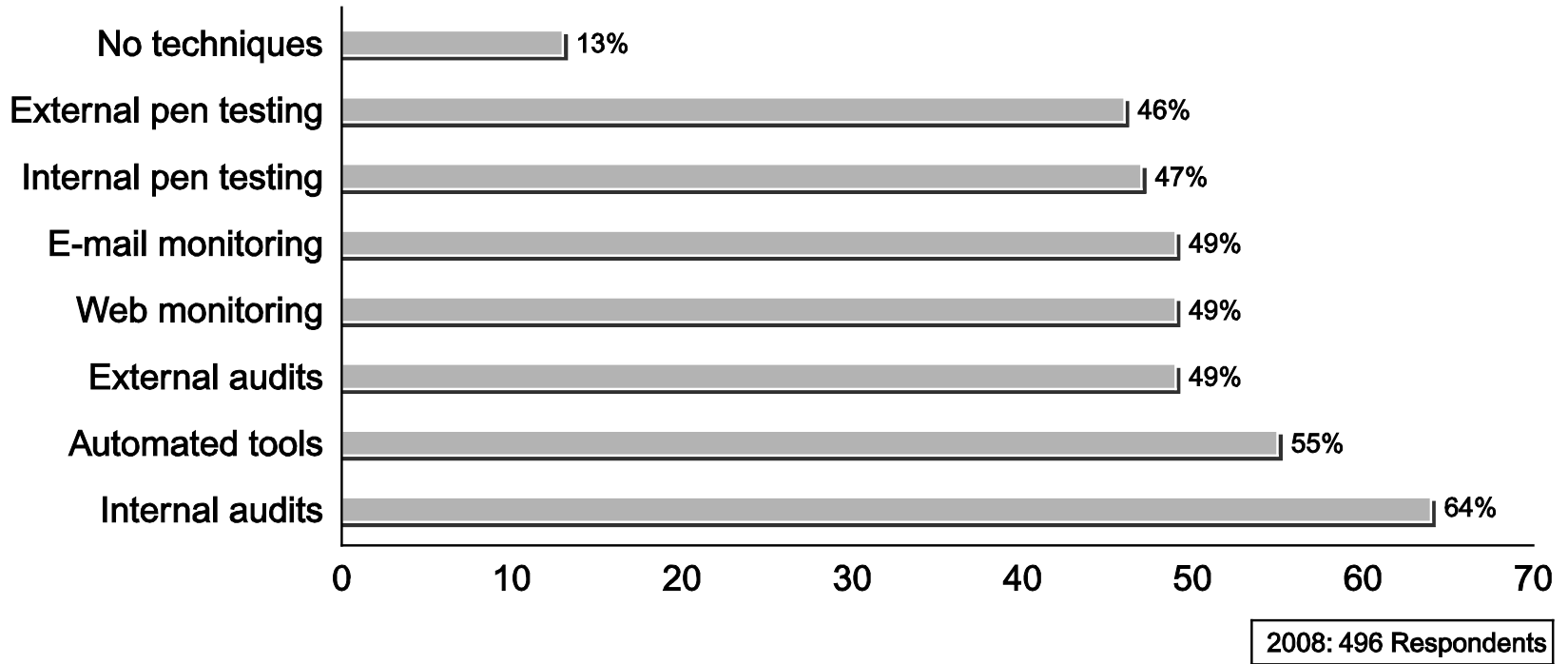


2008: 460 Respondents

f21-20-9780123943972



f21-21-9780123943972



f21-22-9780123943972