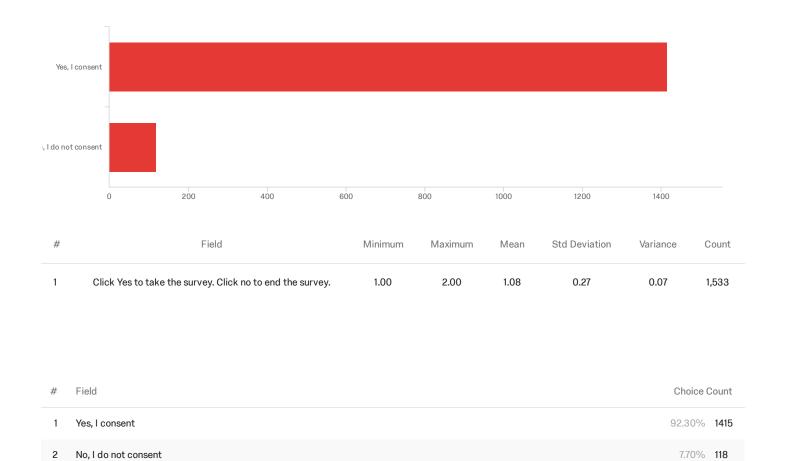
# FBI-UNG Georgia Cyber Threat Survey 2020

A joint effort of the FBI Atlanta Computer Intrusion Squad and the University of North Georgia's Center for Cyber Operations Education October 2019

#### Consent



Showing rows 1 - 3 of 3

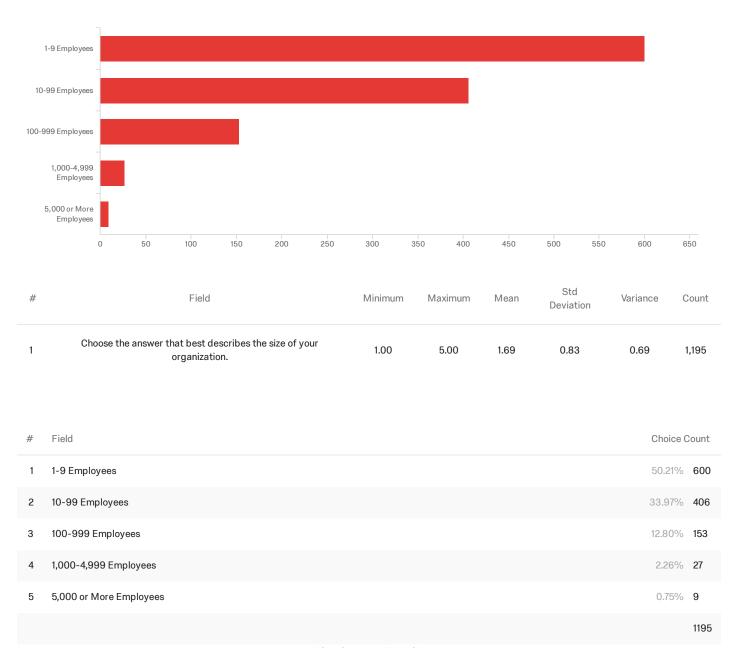
1533

#### Cite as:

Payne, B.R., Robertson, C.L., Reinking, M., Krone, M.E., Abegaz, T.T., Mienie, E.L., Orr, D.A., Hamilton, S. (2020). FBI-UNG Georgia Cyber Threat Survey 2020 [Research white paper]. University of North Georgia. 2020. http://www.ung.edu/cyber/survey

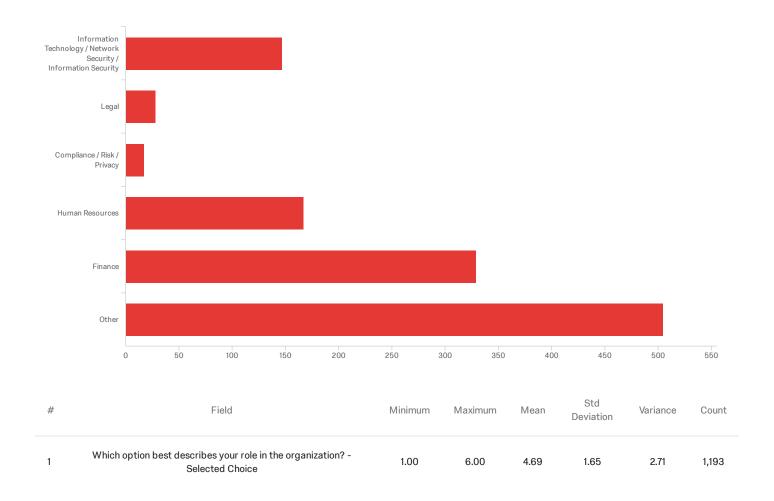
If you need this form in an alternate format for accessibility purposes (e.g. Braille, large print, audio, etc.), please contact Kimberly Bruner by email at kimberly.bruner@ung.edu or call 706-867-2189.

## Q1 - Choose the answer that best describes the size of your organization.



Showing rows 1 - 6 of 6

# 1a - Which option best describes your role in the organization?



#	Field	Choice C	Count
1	Information Technology / Network Security / Information Security	12.32%	147
2	Legal	2.35%	28
3	Compliance / Risk / Privacy	1.42%	17
4	Human Resources	14.00%	167
5	Finance	27.58%	329
6	Other	42.33%	505

# 1b - Which term best describes your organization?

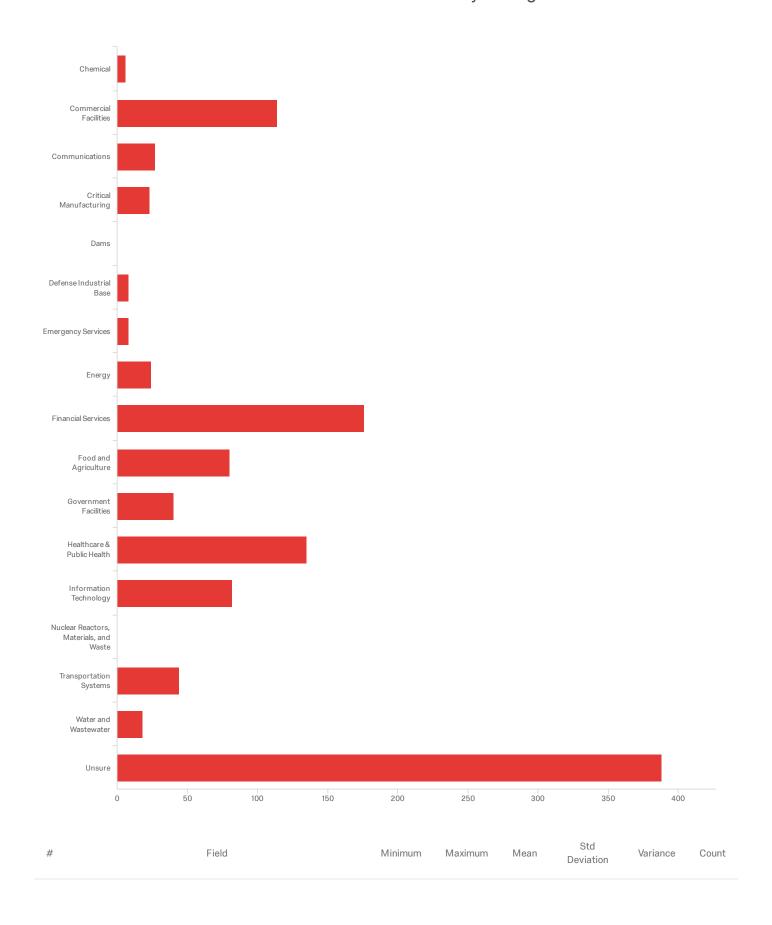


#	Field	Choice C	Count
1	Government	4.19%	50
2	Non-Profit	7.38%	88
3	For-Profit	85.23%	1016
4	Other	3.19%	38

1192

Showing rows 1 - 5 of 5

# Q2 - Which critical infrastructure sector best describes your organization?



					Deviation		
1	Which critical infrastructure sector best describes you organization?	ur 17.00	34.00	28.06	5.33	28.42	1,173
#	Field					Choice (	Count
1	Chemical					0.51%	6
2	Commercial Facilities					9.72%	114
3	Communications					2.30%	27
4	Critical Manufacturing					1.96%	23
5	Dams					0.00%	0
6	Defense Industrial Base					0.68%	8
7	Emergency Services					0.68%	8
8	Energy					2.05%	24
9	Financial Services					15.00%	176
10	Food and Agriculture					6.82%	80
11	Government Facilities					3.41%	40
12	Healthcare & Public Health					11.51%	135
13	Information Technology					6.99%	82
14	Nuclear Reactors, Materials, and Waste					0.00%	0
15	Transportation Systems					3.75%	44
16	Water and Wastewater					1.53%	18
17	Unsure					33.08%	38
							1173
		Showing rows 1 - 18 of	18				

Minimum

Maximum

Mean

#

Field

Std

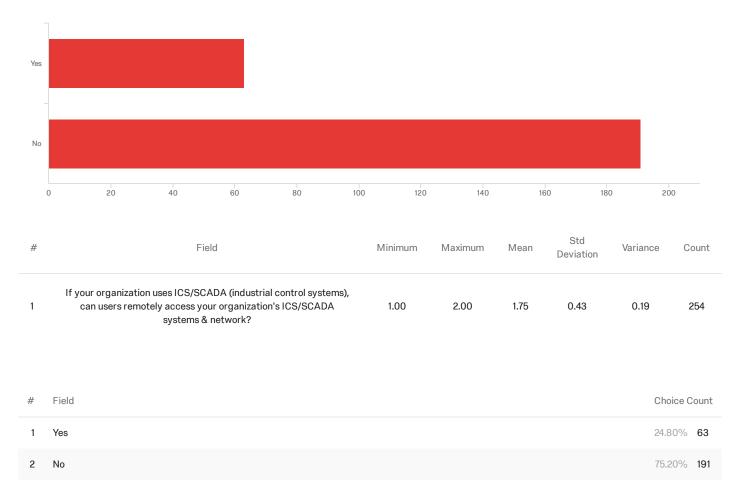
Deviation

Variance

Count

# 2c - If your organization uses ICS/SCADA (industrial control systems), can users

## remotely access your organization's ICS/SCADA systems & network?

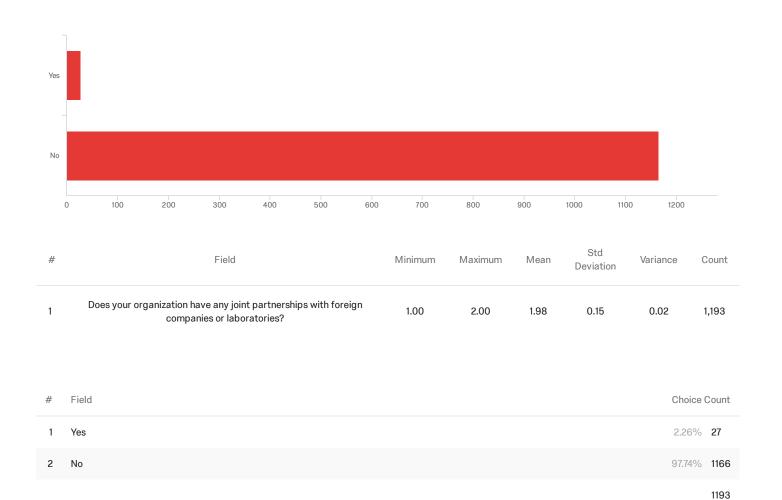


254

Showing rows 1 - 3 of 3

# 2f - Does your organization have any joint partnerships with foreign companies or

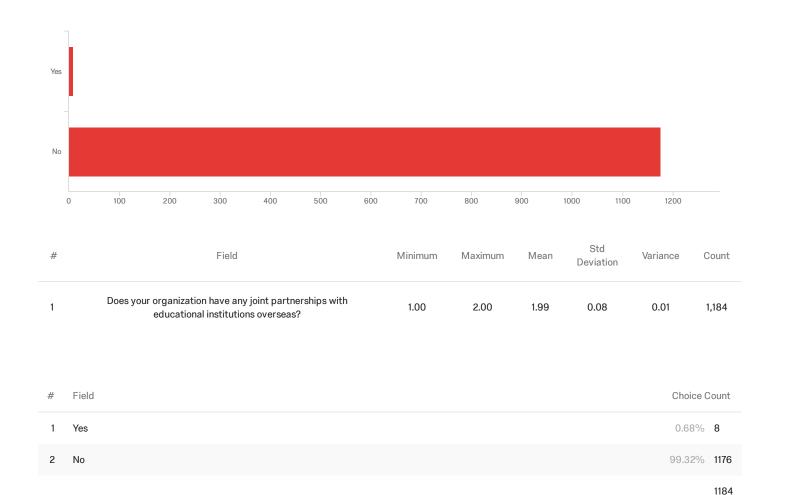
#### laboratories?



Showing rows 1 - 3 of 3

# 2g - Does your organization have any joint partnerships with educational institutions

#### overseas?



Showing rows 1 - 3 of 3

# 2h - Does your organization have Internet of Things (IoT) devices integrated into your

#### environment?

2 No



Showing rows 1 - 3 of 3

86.61% 996

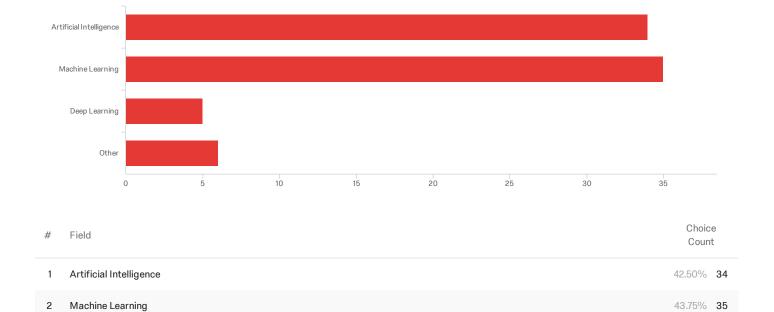
1150

# 2i - Does your organization utilize any of the following automation techniques? (Choose

# all that apply)

Deep Learning

Other



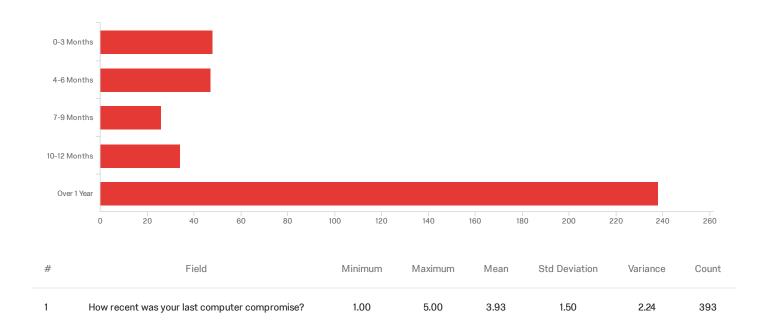
80

6.25% **5** 

7.50% 6

Showing rows 1 - 5 of 5

# Q5 - How recent was your last computer compromise?

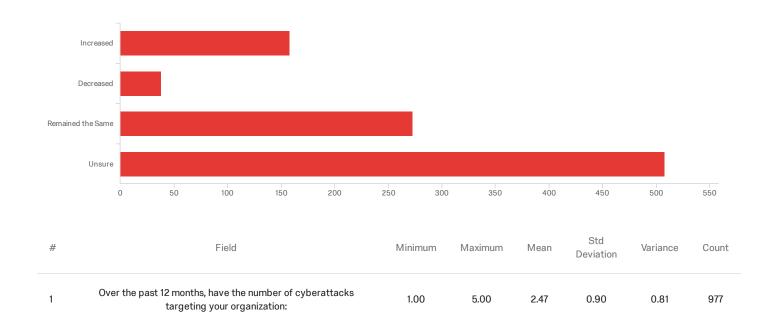


#	Field	Choice C	ount
1	0-3 Months	12.21%	48
2	4-6 Months	11.96%	47
3	7-9 Months	6.62%	26
4	10-12 Months	8.65%	34
5	Over 1 Year	60.56%	238
			393

Showing rows 1 - 6 of 6

# Q7 - Over the past 12 months, have the number of cyberattacks targeting your

# organization:

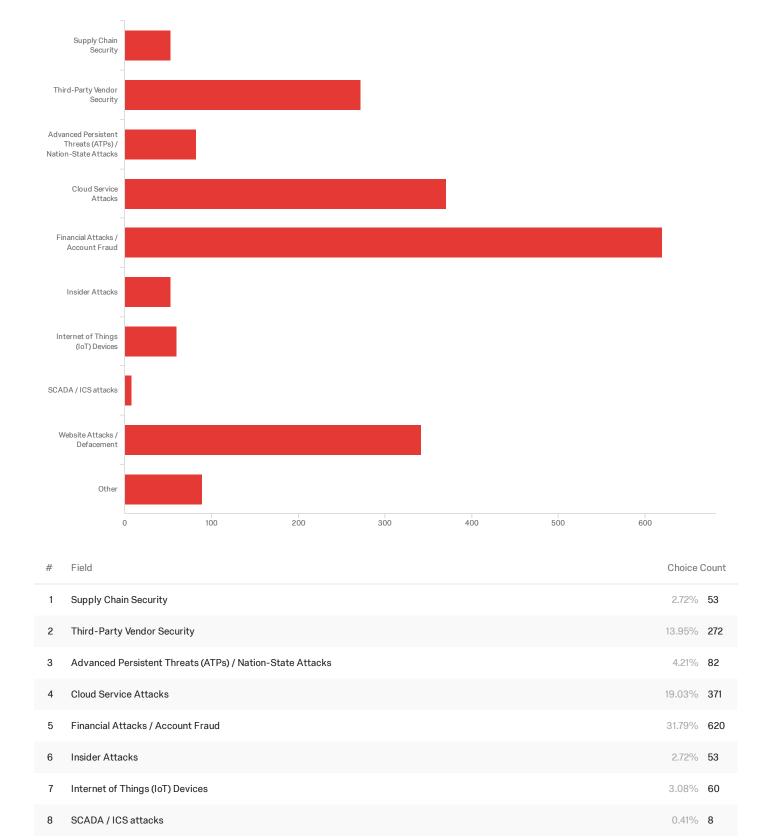


#	Field	Choice (	Count
1	Increased	16.17%	158
2	Decreased	3.89%	38
3	Remained the Same	27.94%	273
4	Unsure	52.00%	508

977

Showing rows 1 - 5 of 5

#### Q8 - What concerns you most over the next 12 months? (Choose no more than three)



17.54% 342

4.56% 89

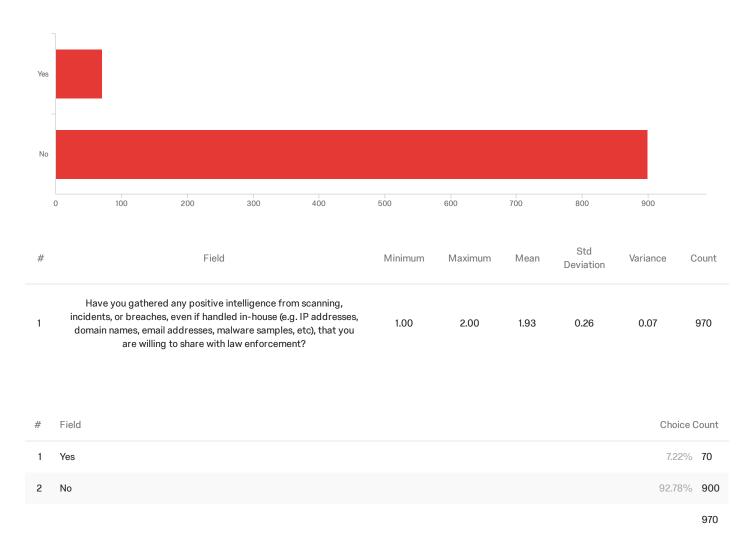
9

10

Other

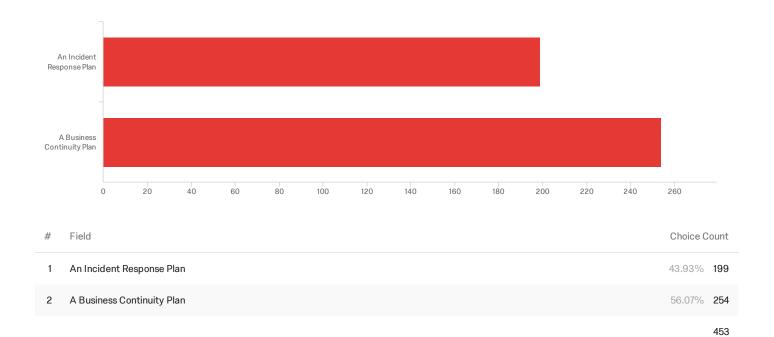
Website Attacks / Defacement

Q11 - Have you gathered any positive intelligence from scanning, incidents, or breaches, even if handled in-house (e.g. IP addresses, domain names, email addresses, malware samples, etc), that you are willing to share with law enforcement?



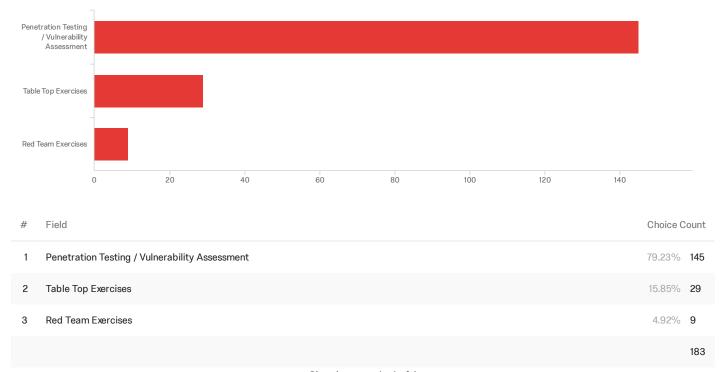
Showing rows 1 - 3 of 3

# Q12 - Does your organization have: (Choose all that apply)



Showing rows 1 - 3 of 3

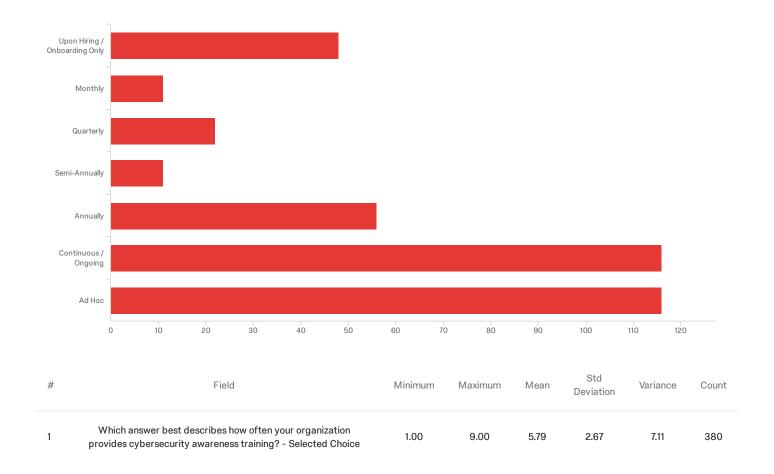
# Q13 - Which of the following techniques does your organization utilize to assess cybersecurity / cyberattack readiness? (Choose all that apply)



Showing rows 1 - 4 of 4

## Q14 - Which answer best describes how often your organization provides cybersecurity

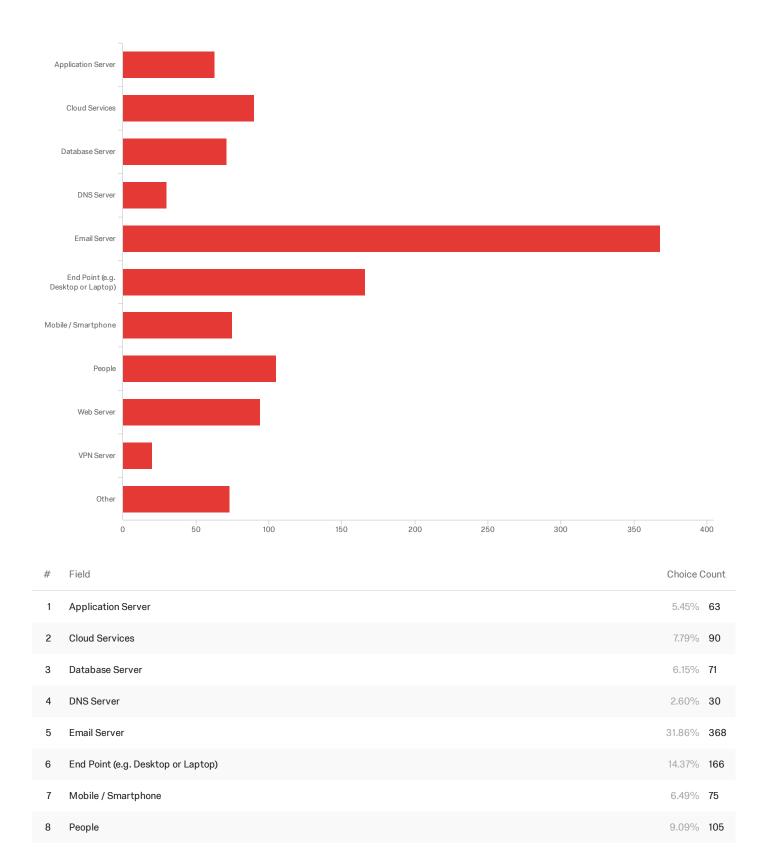
## awareness training?



#	Field	Choice C	Count
1	Upon Hiring / Onboarding Only	12.63%	48
2	Monthly	2.89%	11
3	Quarterly	5.79%	22
4	Semi-Annually	2.89%	11
5	Annually	14.74%	56
6	Continuous / Ongoing	30.53%	116
9	Ad Hoc	30.53%	116
			380

# Q15 - Which parts of your organization's infrastructure are most frequently targeted?

## (Choose your top three)

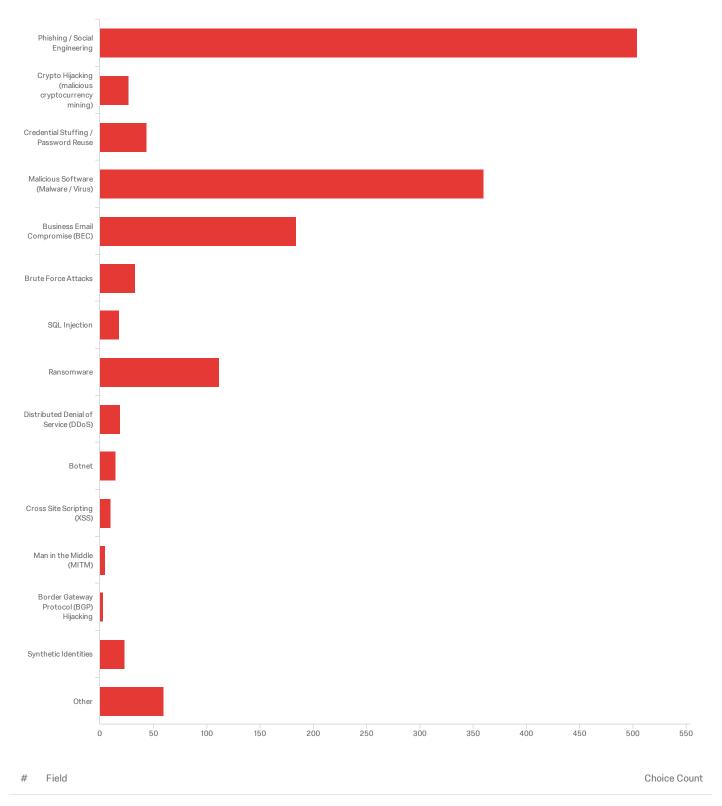


#	Field	Choice C	ount
9	Web Server	8.14%	94
10	VPN Server	1.73%	20
11	Other	6.32%	73
			1155

Showing rows 1 - 12 of 12

# Q16 - What type of cyberattacks most frequently target your organization? (Choose no

## more than five)



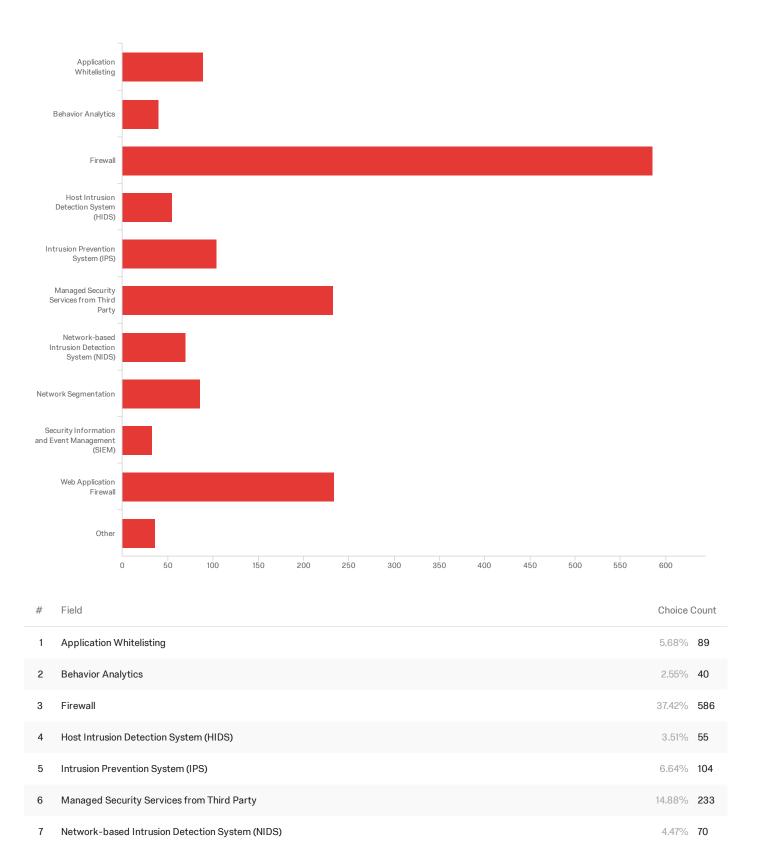
1 Phishing / Social Engineering 35.57% 504

#	Field	Choice C	Count
2	Crypto Hijacking (malicious cryptocurrency mining)	1.91%	27
3	Credential Stuffing / Password Reuse	3.11%	44
4	Malicious Software (Malware / Virus)	25.41%	360
5	Business Email Compromise (BEC)	12.99%	184
6	Brute Force Attacks	2.33%	33
7	SQL Injection	1.27%	18
8	Ransomware	7.90%	112
9	Distributed Denial of Service (DDoS)	1.34%	19
10	Botnet	1.06%	15
11	Cross Site Scripting (XSS)	0.71%	10
12	Man in the Middle (MITM)	0.35%	5
13	Border Gateway Protocol (BGP) Hijacking	0.21%	3
14	Synthetic Identities	1.62%	23
15	Other	4.23%	60
			1417

Showing rows 1 - 16 of 16

## Q17 - Which of the following does your organization use to detect or prevent

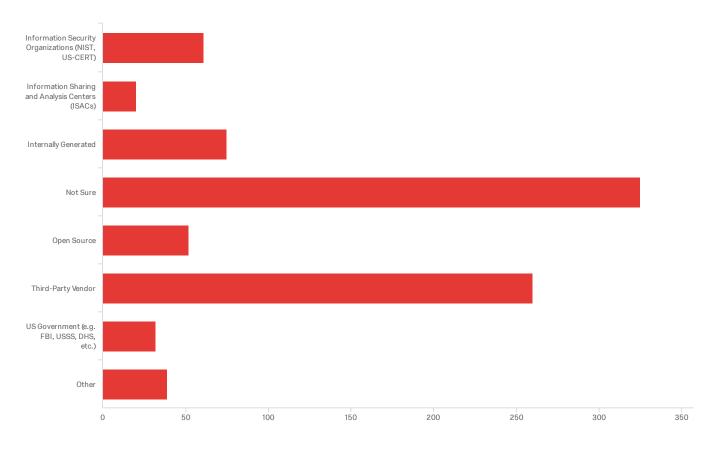
#### cyberattacks? (Choose all that apply)



#	Field	Choice (	Count
8	Network Segmentation	5.49%	86
9	Security Information and Event Management (SIEM)	2.11%	33
10	Web Application Firewall	14.94%	234
12	Other	2.30%	36
			1566

Showing rows 1 - 12 of 12

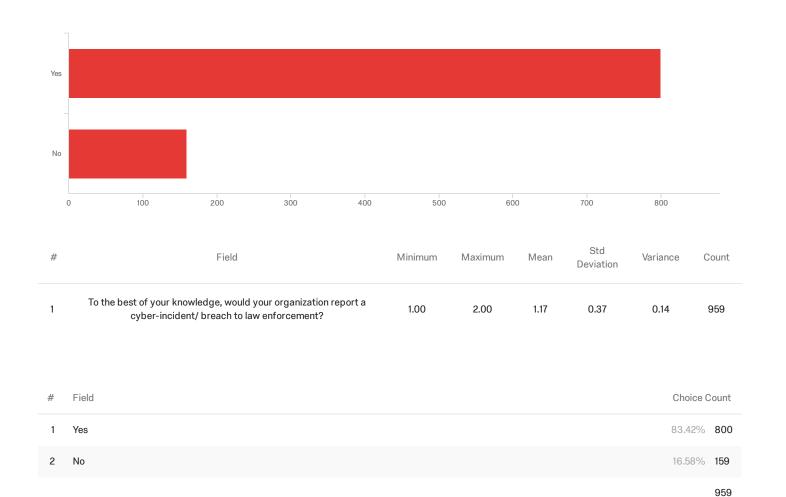
# that apply)



1 Information Security Organizations (NIST, US-CERT) 2 Information Sharing and Analysis Centers (ISACs) 3 Internally Generated 4 Not Sure 5 Open Source 6.02% 52	#	Field	Choice C	ount
3 Internally Generated 8.68% 75 4 Not Sure 37.62% 325	1	Information Security Organizations (NIST, US-CERT)	7.06%	61
4 Not Sure 37.62% 325	2	Information Sharing and Analysis Centers (ISACs)	2.31%	20
	3	Internally Generated	8.68%	75
5 Open Source 6.02% 52	4	Not Sure	37.62%	325
·	5	Open Source	6.02%	52
6 Third-Party Vendor 30.09% 260	6	Third-Party Vendor	30.09%	260
7 US Government (e.g. FBI, USSS, DHS, etc.) 3.70% 32	7	US Government (e.g. FBI, USSS, DHS, etc.)	3.70%	32
8 Other 4.51% <b>39</b>	8	Other	4.51%	39

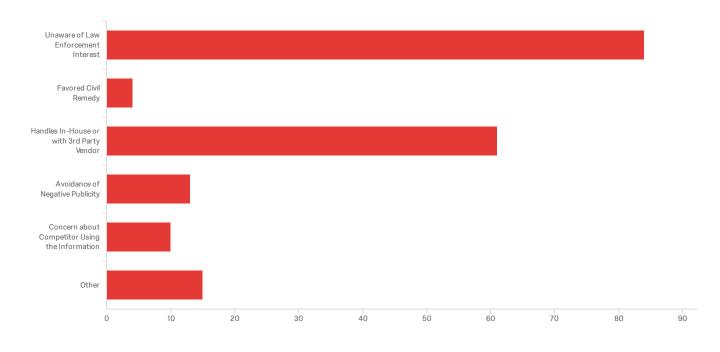
## Q36 - To the best of your knowledge, would your organization report a cyber-incident/

#### breach to law enforcement?



Showing rows 1 - 3 of 3

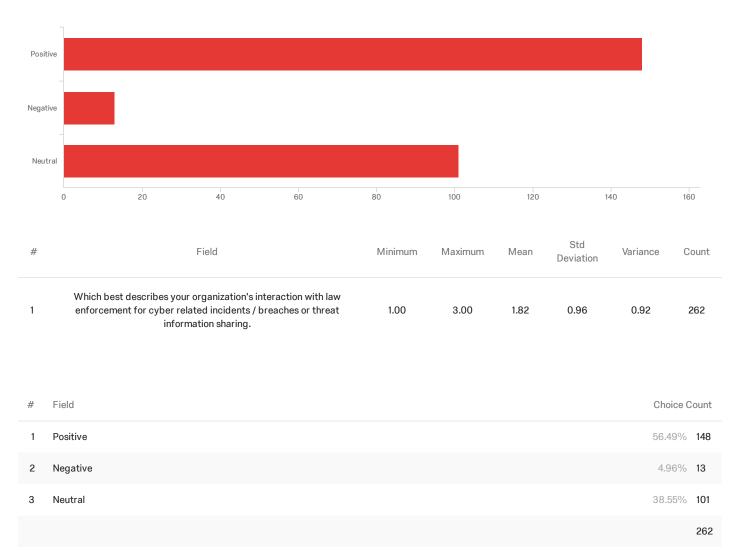
#### below.



#	Field	Choic Coun	
1	Unaware of Law Enforcement Interest	44.92%	84
2	Favored Civil Remedy	2.14%	4
3	Handles In-House or with 3rd Party Vendor	32.62%	61
4	Avoidance of Negative Publicity	6.95%	13
5	Concern about Competitor Using the Information	5.35%	10
6	Other	8.02%	15

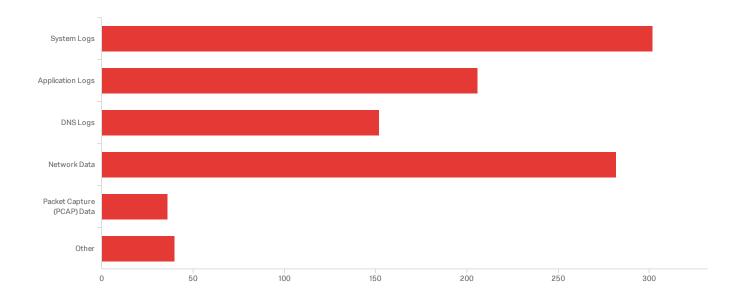
187

# Q38 - Which best describes your organization's interaction with law enforcement for cyber related incidents / breaches or threat information sharing.



Showing rows 1 - 4 of 4

# Q39 - Which of the following does your organization retain? (Choose all that apply)

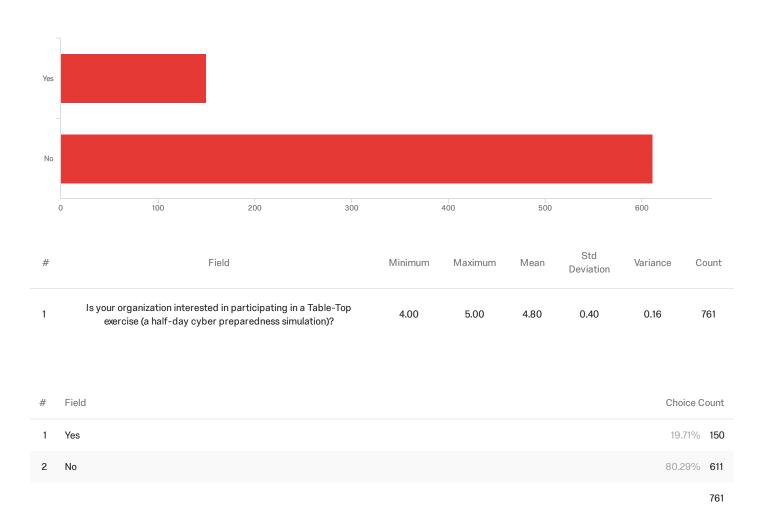


#	Field	Choice (	Count
1	System Logs	29.67%	302
2	Application Logs	20.24%	206
3	DNS Logs	14.93%	152
4	Network Data	27.70%	282
5	Packet Capture (PCAP) Data	3.54%	36
7	Other	3.93%	40

1018

Showing rows 1 - 7 of 7

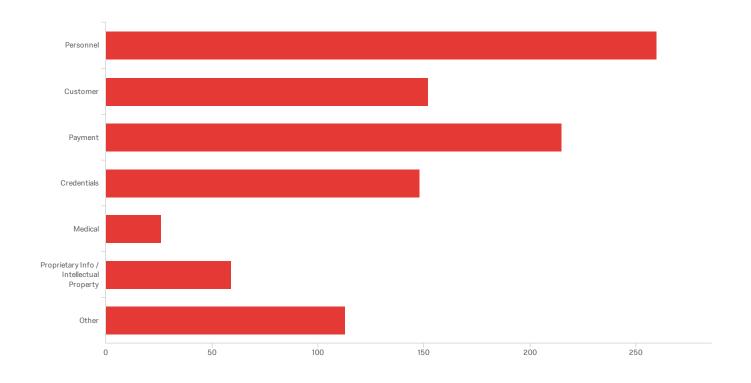
# Q40 - Is your organization interested in participating in a Table-Top exercise (a half-day cyber preparedness simulation)?



Showing rows 1 - 3 of 3

# Q41 - What types of data are most frequently targeted in attacks on your organization?

# (Choose top three)



Data source misconfigured for this visualization.

#	Field	Choice (	Count
1	Personnel	26.72%	260
2	Customer	15.62%	152
3	Payment	22.10%	215
4	Credentials	15.21%	148
5	Medical	2.67%	26
6	Proprietary Info / Intellectual Property	6.06%	59
7	Other	11.61%	113
			973

# Q42 - Over the past 12 months, has your organization:

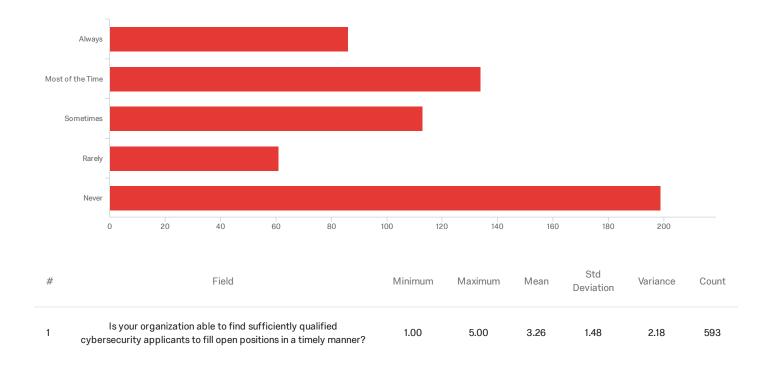


#	Field	Choice C	ount
1	Increased Expenditures on IT / Network Security?	36.83%	207
2	Decreased Expenditures on IT / Network Security?	1.25%	7
3	Kept Expenditures the same on IT / Network Security?	61.92%	348
			562

Showing rows 1 - 4 of 4

## Q43 - Is your organization able to find sufficiently qualified cybersecurity applicants to fill

## open positions in a timely manner?



#	Field	Choice C	ount
1	Always	14.50%	86
2	Most of the Time	22.60%	134
3	Sometimes	19.06%	113
4	Rarely	10.29%	61
5	Never	33.56%	199
			593

Showing rows 1 - 6 of 6