## Getting Started with the NIST Cybersecurity Framework

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- Type of software with malicious intent and a threat to harm your data
- The author or distributor requires a ransom to undo the damage
- No guarantee the ransom payment will work
- Ransom often needs to be paid in cryptocurrency

## Example:

WannaCry was one of the most devastating ransomware attacks in history, affecting several hundred thousand machines and crippling banks, law enforcement agencies, and other infrastructure.







Ellicott City flooding wiped out businesses and their computers





















Asset	Value of the Asset	Impact of Loss/ Damage to the Asset	Threats to the Asset	Likelihood of Loss/Damage to the Asset	
Patient health information	High, due to regulations	High	Hackers, ransomware	Medium	
Devices storing patient information (laptops, server in closet, mobile devices)	Medium	High	Thieves, malware, phishing	Low	
Processing patient claims to insurance	High	Medium (can institute manual processes temporarily)	Denial of service, hackers	Low	
Receiving payments from insurance and patients	High	High	Denial of service, hackers	Low	
3 <sup>rd</sup> party email provider	Medium	Medium	Phishing, malware	Medium	





Asset	Value of the Asset	Impact of Loss/ Damage to the Asset	Threats to the Asset	Likelihood of Loss/Damage to the Asset	Prioritization of Protection to the Asset
Patient health information	High, due to regulations	High	Hackers, ransomware	Medium	High
Devices storing patient information (laptops, server in closet, mobile devices)	Medium	High	Thieves, malware, phishing	Low	Low
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