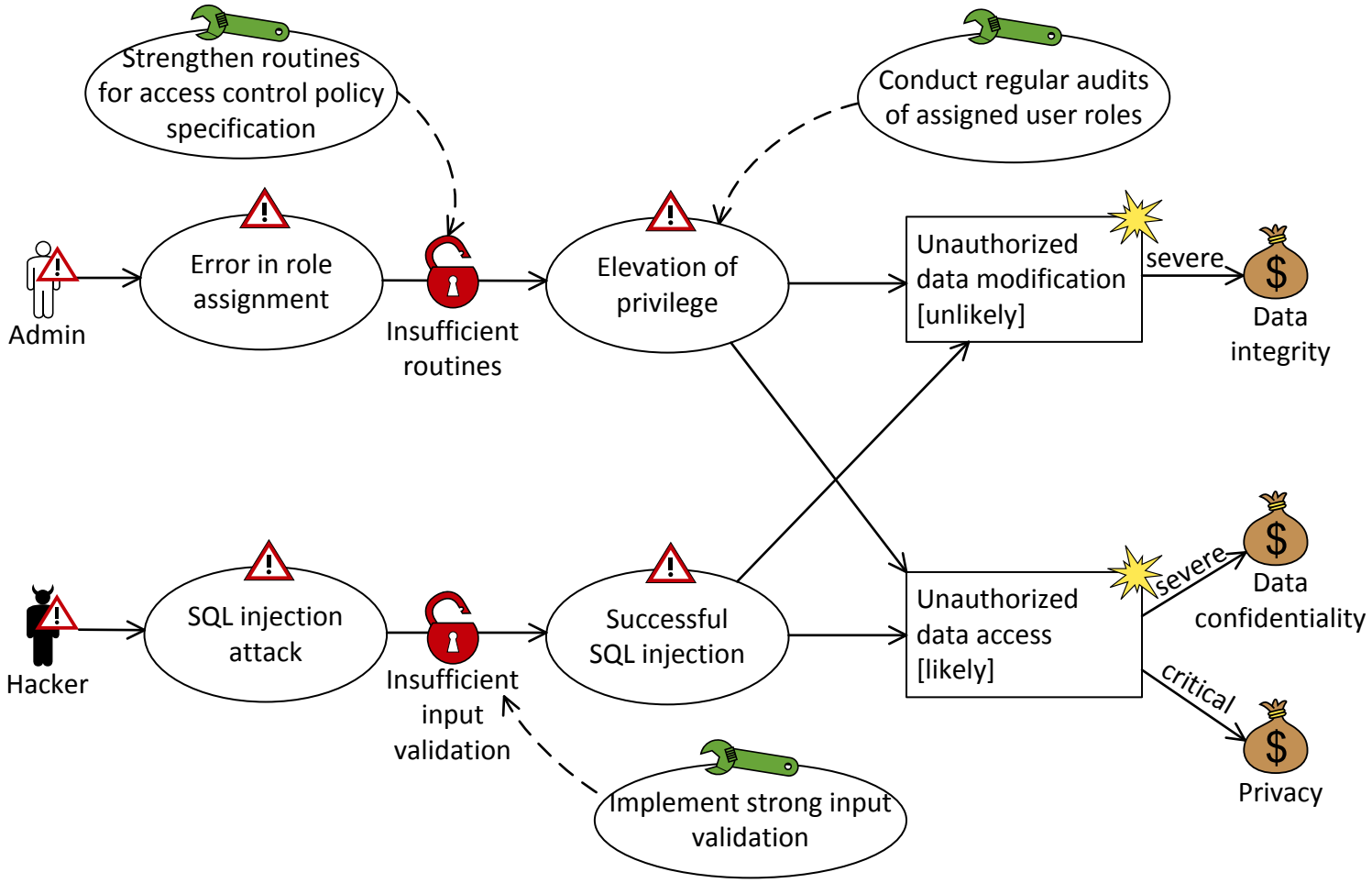
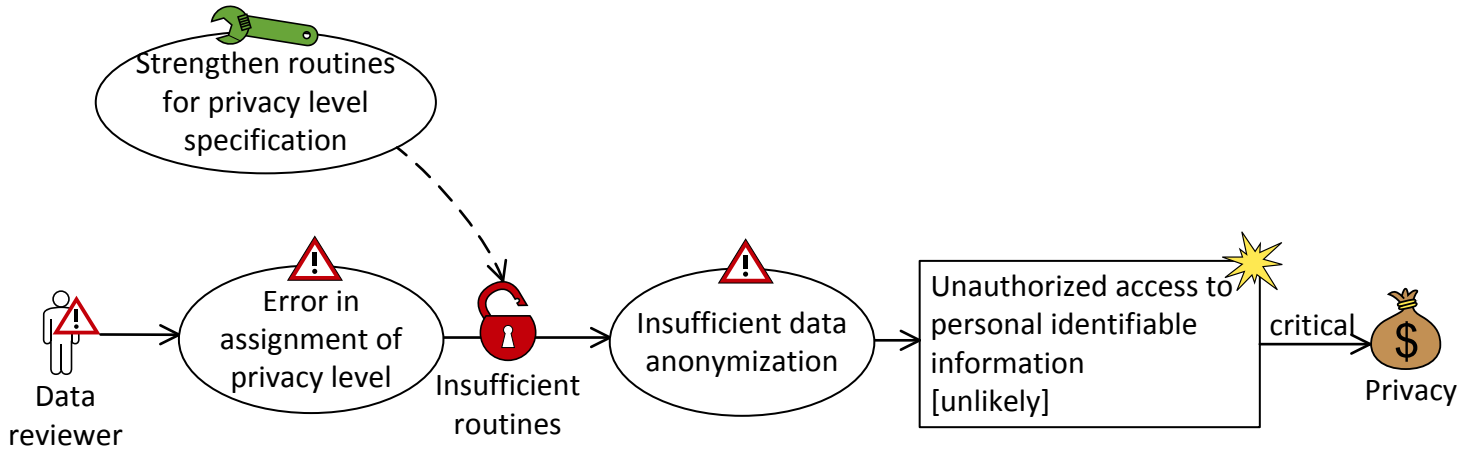
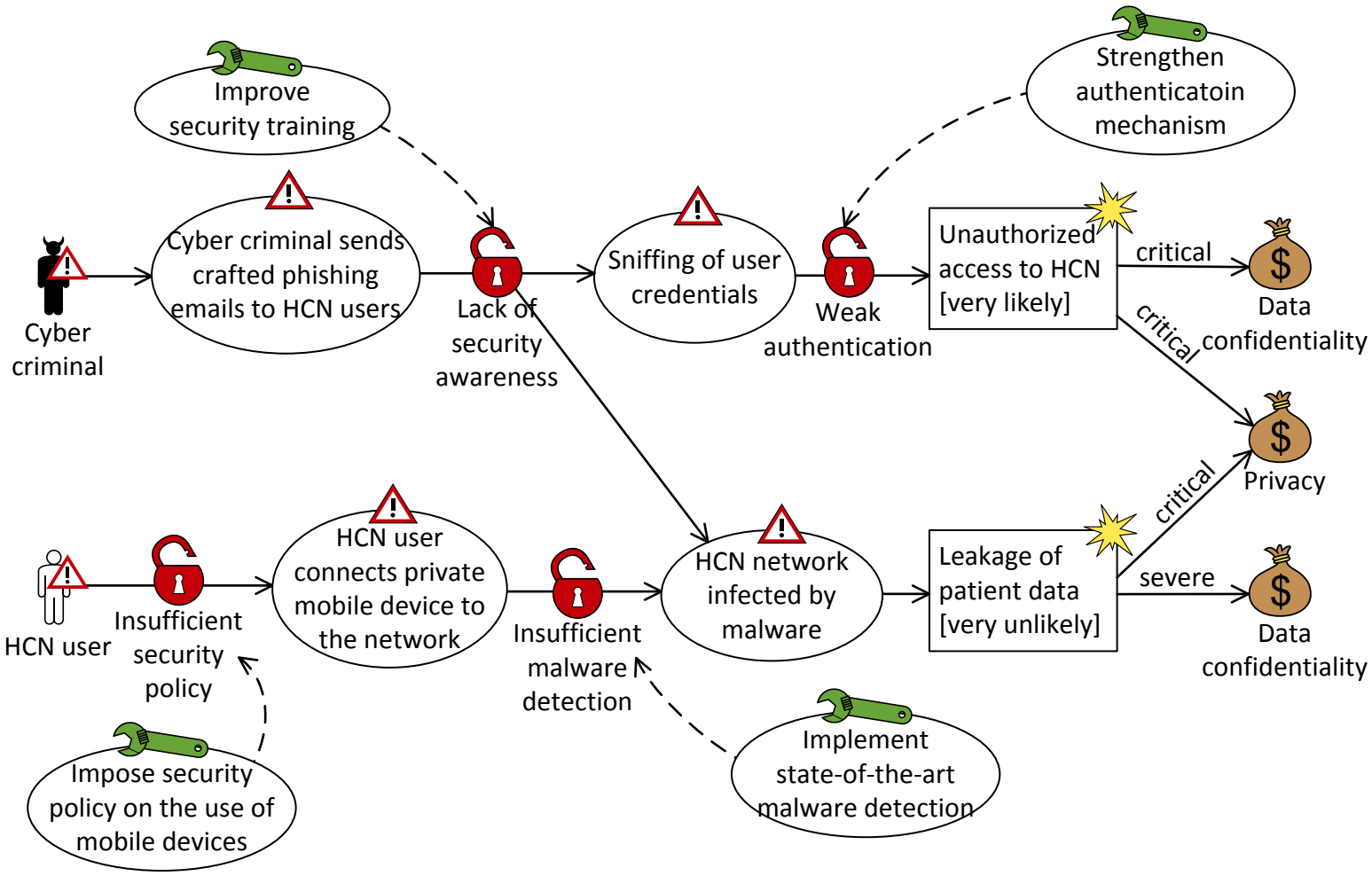

Strengthen routines for access control policy specification
Conduct regular audits of assigned user roles
Admin
Error in role assignment
Insufficient routines
Elevation of privilege
Unauthorized data modification [unlikely]
severe
Data integrity
Hacker
SQL injection attack
Insufficient input validation
Successful SQL injection
Unauthorized data access [likely]
severe
Data confidentiality
critical
Privacy
Implement strong input validation


Strengthen routines for privacy level specification
Data reviewer
Error in assignment of privacy level
Insufficient routines
Insufficient data anonymization
Unauthorized access to personal identifiable information [unlikely]
critical
Privacy


Improve security training
Strengthen authenticatoin mechanism
Cyber criminal
Cyber criminal sends crafted phishing emails to HCN users
Lack of security awareness
Sniffing of user credentials
Weak authentication
Unauthorized access to HCN [very likely]
critical
Data confidentiality
critical
Privacy
critical
HCN user
Insufficient security policy
HCN user connects private mobile device to the network
Insufficient malware detection
HCN network infected by malware
Leakage of patient data [very unlikely]
severe
Data confidentiality
Impose security policy on the use of mobile devices
Implement state-of-the-art malware detection