

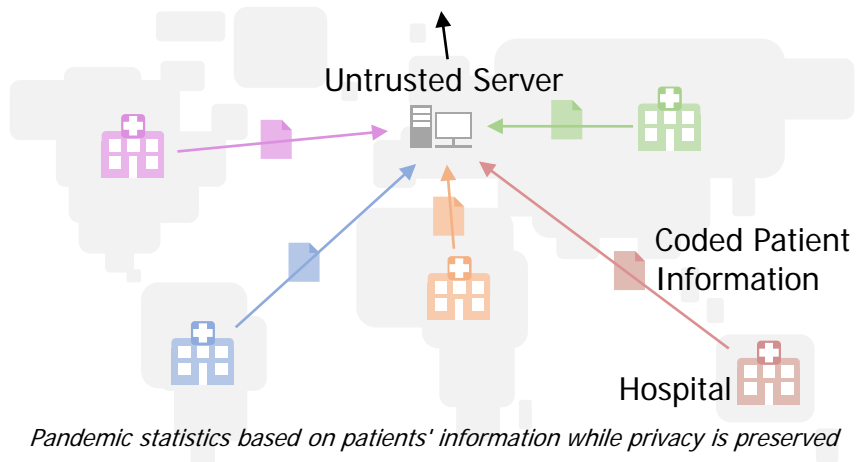
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 Information and Coding Theory, Privacy, Security, and Cryptography
 Distributed Computation and Storage, Communications and Networking
 Research Group: 3 PhD, 1 MS, 1 BS

Algorithm/Protocol Design Through Information and Coding Theory

Secure Multiparty Computation

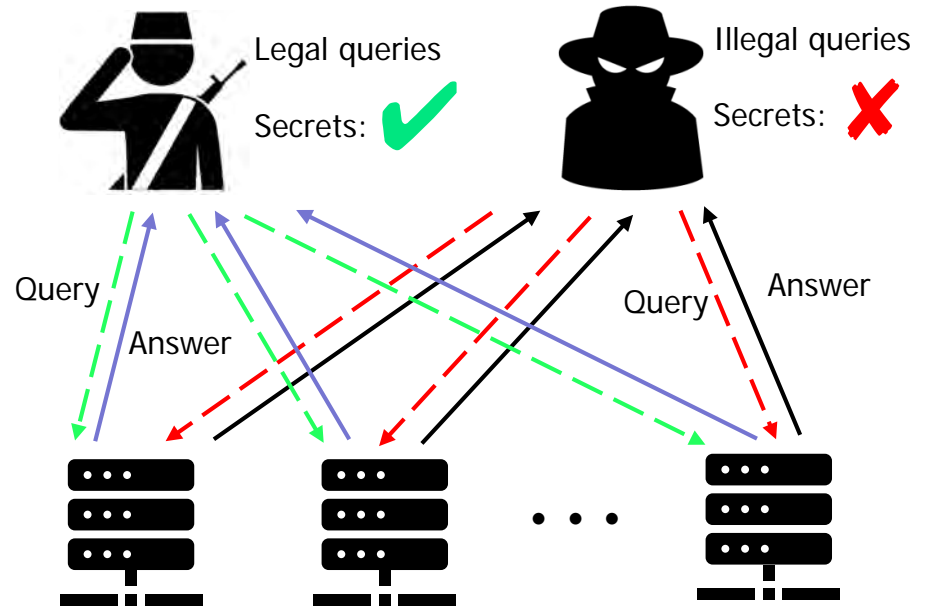
- Average incubation period
- Possible symptoms



Goal:

- Provably efficient and privacy-preserving scalable protocols that minimize communication bandwidth and randomness consumption

Conditional Disclosure of Secrets



More Applications: Private Information Retrieval, Secure Groupcast, Broadcast Encryption
 Coded Caching and Computation, Straggler Mitigation in Learning