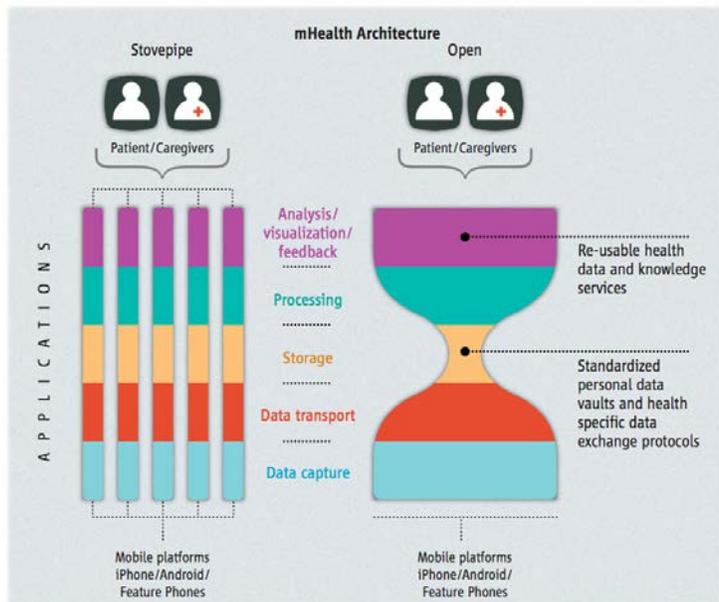# What is NDNFit

- mHealth: mobile health
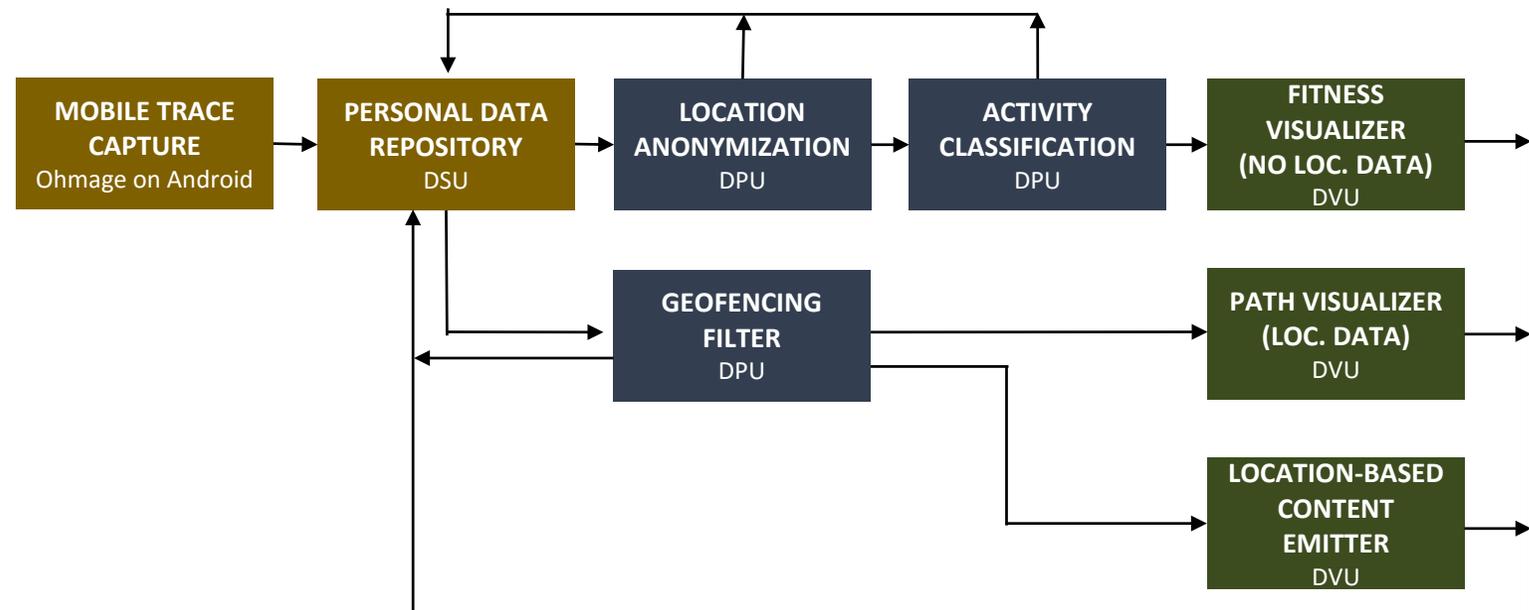  - A limitation: proprietary designs, preventing data exchange.
- NDNFit: an sample app of Open mHealth implemented in NDN
  - Provides standardized personal data vaults and data exchange as the narrow waist



D. Estrin (Cornell), I. Sim (UCSF)s          Jeff Burke (UCLA)

# NDNFit implements Open mHealth using simpler mechanisms

| Goals | IP | NDN |
|---|---|---|
| Standardize health-specific syntactic and semantic data | The same | |
| Standardize users' identities | Implement another identity management system | Reuse NDN's certificate management system |
| Extract and implement core data processing functions | (1) Design function API<br>(2) Map API to one or more hostname<br>(3) Map host to one or more IP | Name the functions (NFN), and call functions using names |
| Store data in a way that allows for selective, user-controlled sharing | (1) Use SSL/TLS to protect the connection<br>(2) Use OAuth to grant access<br>(3) Users need to trust the storage | Use NAC (name based access control) to encrypt data and publish keys (Users control everything) |

The pilot app to make use of (1) NAC (2) NFN (3) identity management in app