What/Why?

Personal Information Management Privacy Advisor (PIM-PA)

Tradeoff: privacy protection vs. information release

De-identified/Anonymized health information made public

Patients need to share personal information

Sharing can violate someone else’s privacy! (See figure)

How?

Design and develop a tool (PIM-PA) for patients that is:

available (real-time consultation-on-demand)

efficient (problem related to NP-hard k-Anonymity)

flexible (legislation not yet interpreted)

customizable (patient social/ethical values vary)

Results so Far:

- Privacy legislation assessment (HIPPA, PIPEDA)
- k-Anonymity utility/complexity analysis (M.Sc. thesis)
- PIM-PA problem formulation (in process)
- Design and development (Ph.D. thesis work – Sept. start)