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Project: Privacy Advisors for Personal Information Management

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)

