

Ethics in the Mobile Era

Tracking Privacy and Data Concerns

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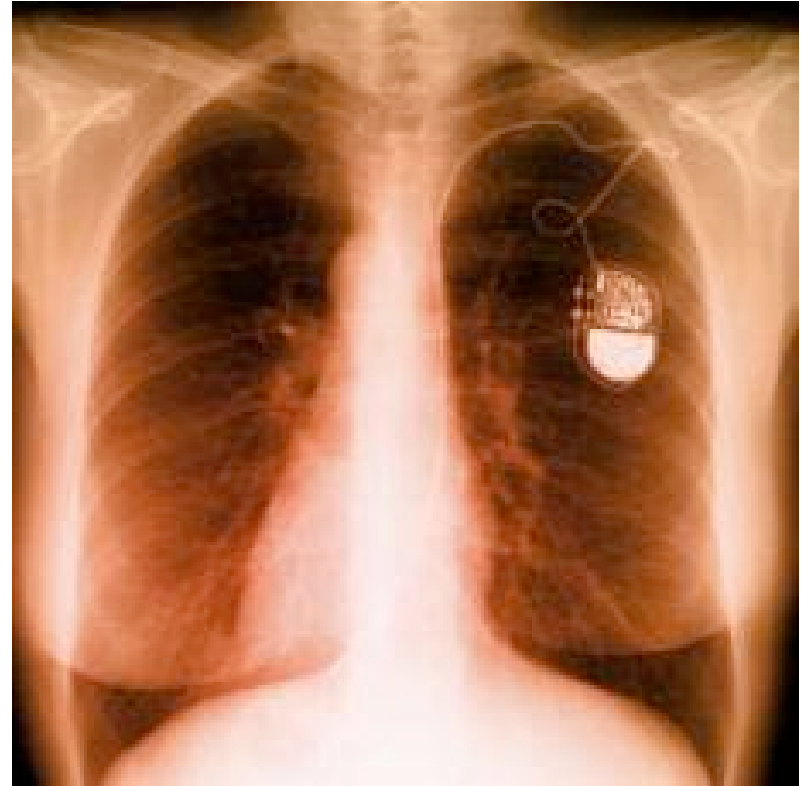
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- mHealth Apps can allow HIPAA-compliant communication between clinical teams
- Untethers clinicians from desktops, increases flexibility of care delivery
- Streamlines patient charting
- Portable reference and diagnostic tool

The Potential: Remote Patient Care

- Continuous monitoring leads to better data gathering
- Increases patient compliance by reducing need for clinical visits
- Save clinicians times and allows fewer providers to serve more patients
- Real-time interventions



<http://www.nlm.nih.gov/medlineplus/pacemakersandimplantabledefibrillators.html>

The Potential: Patient Self-Tracking

- Allows patients to be more active participants in their own care
- Creates tools to support lifestyle and/or environmental interventions



<http://www.public-domain-image.com/free-images/science/medical-science/self-monitoring-blood-glucose>

The Potential: Better Data



- Self-reporting and inaccuracy
- Behavioral reporting and intentional deception

<http://www.public-domain-image.com/free-images/objects/electronics-devices/computer-components-pictures/magnifying-glass-atop-computer-wireless-keyboard>

The Challenges



Data Access



**Data
Ownership**



Accountability



Security

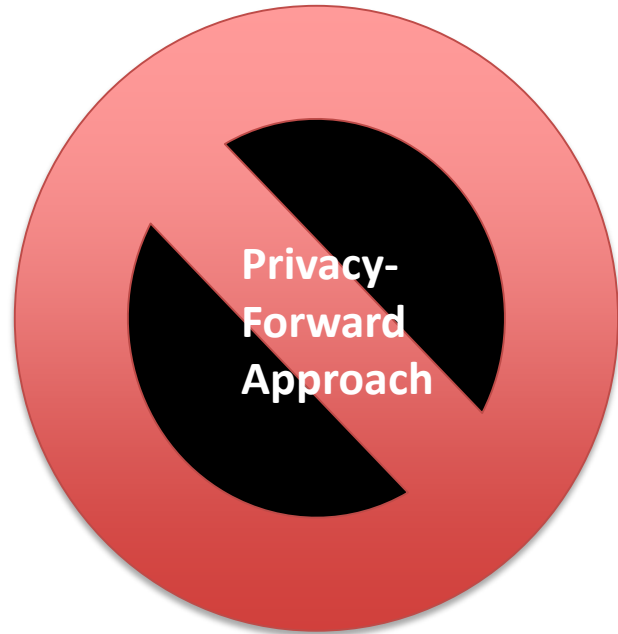


Compliance



Privacy

Solutions



Features of High-Quality Consent Process

- Plain-language explanation of top-to-bottom data collection/storage
- Specificity of risk, up to and including data becoming public, and the data's potential use in employment/insurance/legislation in the future
- Discussion of unexpected consequences/findings/research
- Data ownership/access/profits agreement

Third Parties and Data Guardians

- Proxy vs actual consent
- Using existing tools when consent can't be given
- Handling third-party explicit non-consent

We need parallel development of opt-out markers.

Thank You