

Tele-Health and Emerging Technology: *Ethics, Risk Identification and Mitigation*

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Discussion Points

- Overview of Telehealth and Emerging Healthcare Technology including Ethical Issues
- Regulatory Structure of Telemedicine
- Privacy and Security; Data Sharing
- Reimbursement and Payment Models
- Transaction Models and Vendor Agreements

Digital Health Market Update

- 45 digital health mergers/acquisitions in 2016 – up from 36 in 2015 ([MobiHealth News](#))
- Many by attention-grabbing companies like Google, Fitbit, and Philips
- Largest acquisition - \$544m purchase of Imprivata by a San Francisco PE firm
- Attorneys at the center of these transactions
 - Targets for cyber attacks to obtain insider trading information
 - Special precautions must be taken by attorneys to protect information – **What do you demand of your healthcare client's service provider?**

Evolving Clinical Technologies

- Technology is increasingly integrated in clinical operations
 - TeleHealth and mobile clinical applications
 - Specialty Consult (Stroke)
 - Chronic Care Management
 - Medical devices, implantables, robotics
 - Electronic Health Records, e-prescriptions
 - Personal healthcare applications and wearables

Foundational Technology

- Foundational technologies are key to supporting provider operations
 - Off-site computing and storage – SaaS, PaaS, “cloud services”
 - Connectivity and the Internet-of-Things
 - Interoperability
 - Infrastructure
 - Security
- Behind the scenes but form the backbone of healthcare operations

Examples of Digital Health Technology

- Telehealth/Telemedicine/Telemonitoring
- Mobile Apps (mHealth)
- Telephony+
- Virtual Reality
- Digital Medications
- EHR, EMR, Personalized Shareable Medical Records
- Data Analytics - Artificial Intelligence
- Internet of Things (IoT)
- Blockchain

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"Telehealth: Tackling Technology's Legal and Ethical Impact on Healthcare"