

Medical Apps, Devices, and Resources Mentioned in This Presentation

*(FDA Approved)

Smart Devices

- Fitbit fitness wearables and app
- Smart Scales (Brands: Fitbit, Garmin, Polar Balance, iHealthLabs, Under Armour)
- Senoria Intelligent Fitness Smart Socks
- Apple Watch
- *Smart Glucometers: (Brands: iHealthLabs, AccuChek Aviva Connect, Beyer Contour Next One, One Touch Reveal, OneDrop)
- *Continuous Glucometers: (Brands; Dexcom, Medtronic)
- *Artificial Pancreas from Medtronic
- *Siren Socks from Siren.care diabetic feet monitor socks
- *Parkinson's KinetiGraph smart watch from Globalkineticscorporation.com.au
- *Bodyguardian Heart monitor from PreventiceSolutions.com
- *Smart thermometers (Brands: Kenza, Withing/Nokia, Omron)
- *Smart Blood pressure monitors (Brands: iHealth, Withing/Nokia)
- *Lab in a Box (Cue.me Systems)
- *AliveCor.com Kardia Mobile EKG
- *Philips Lumify portable ultrasound
- *Smart Inhaler from PropellerHealth.com
- *Smart pills from Proteus.com

Resources

App Prescription Services (actual and theoretical)

- AppScript.net from IMS Institute
- iPrescribeApps.com (beta)
- RxUniverse from Rx.Health
- TheAppStore.org

News and Reviews of Medical Apps (RSS Feeds)

- iMedicalApps.com
- MobiHealthNew.com
- HealthLine.com
- EverydayHealth.com

Apps

- Health and Fitness: *MyFitnessPal Calorie Counter and Diet Tracker, Sleep Cycle Alarm Clock, RunKeeper, Map My Run – GPS, WeightWatchers, Lose It!*
- Diagnostic: *SkinVision Mole Analysis* (Not FDA Approved)
- *Insulin Calculators: Sanofi's *My Dose Coach*, Lilly's *Go Dose*, AmalgamRx's *iSage*
- Pharmacy apps: *CVS, Walgreens, GoodRx Rx price comparison app*
- Medication reminder apps: *Medisafe Pill Reminder, AlarMed, Round Health, DoseCast, Pill Monitor Free, RemindMe prescription/Medication*
- Smoking cessation apps: *Quit It – Stop Smoking Today, Quit Smoking Now HD, QuitGuide* from NCI, *SmartQuit*
- Symptom Tracking apps: *GI- myIBS, GI Buddy, Poop Time; Pain – My Pain Diary; Gyn - Period Tracker; Neuro-Migraine Buddy; Rheum – myRA;*
- Psych: *T2 Mood Tracker, MoodPanda, Live OCD Free, ADHD Angel, PTSD Coach, Breathe2Relax, mTBI Pocket Guide*
- Blood glucose tracking apps: *mySugr, BG Monitor Diabetes, Glucose Buddy*
- Reference: *Epocrates QxMD Calculate, iTrage, WebMD, AskMD, KidsDoc*
- Telemedicine: *TouchCare, eVisit, DoctorOnDemand, HealthTap*
- EMR Portal apps: *Epic MyChart, Allscripts FollowMyHealth,*
- Personal Health Record: *drchrono OnPatient PHR, Microsoft HealthVault*
- Secure Texting: *TigerText, qliqSOFT, pMD, PingMD*

AI humor

https://www.youtube.com/watch?v=YvT_gqs5ETk

Links to Videos Supplementing Workshop

These are provided for additional learning opportunities:

Slide 18 - **What is a Continuous Glucose Monitor** from Dexcom. 3:17 min

<https://www.youtube.com/watch?v=nSuGeN7Ko7Q>

Slide 19 - **Artificial Pancreas System Explained** from Diabetes Care Center. 3:24 min

<https://www.youtube.com/watch?v=dEPDutcySE>

Slide 21 - **Monitoring Parkinsonian Hand Tremor Using Smartwatch**. 2:00 min

<https://www.youtube.com/watch?v=3N5T6TV-AZA>

Slide 22 - **BodyGuardian Heart Instructional Video** from Preventive Solutions. 10:00 min

<https://www.youtube.com/watch?v=CWuv-LFKng8>

Slide 23 - **Review of the Withings Thermo Smart Thermometer** from Booredatwork.com. 3:28 min

<https://www.youtube.com/watch?v=A9nr16SZjyg>

Slide 27 - **Cue promotional video**. 2:16 min

<https://www.youtube.com/watch?v=32YwVuiAgEg>

Slide 26 - **Review of the AliveCor device by Cardiologist**. 5:00 min

<https://www.youtube.com/watch?v=HCyR4wYptWM>

Slide 27 - **Philips Lumify Ultrasound Demo**. 1:26 min.

<https://www.youtube.com/watch?v=76a2B7ti5hY>

Slide 35 - **MediSafe Meds & Pill Reminder | Improve Your Health In A Mobile Minute**. 2:10 min

<https://www.youtube.com/watch?v=mWqkBjfU3sE>

Slide 36 - **3M Intelligent Control Inhaler system**. 1:45 min.

<https://www.youtube.com/watch?v=5Ye44s0pToO>

Slide 43 - **Demo of iTriage symptom checker**. 1:14 min

https://www.youtube.com/watch?v=ynaq_WRntQ

Slide 46 - **eVisit Video**. 1:39 min

<https://www.youtube.com/watch?v=KwNz7tYcbFE>

Slide 48 - **Epic MyChart promotional video**. 1:00 min

https://www.youtube.com/watch?v=T4ds-rtjD_U

Slide 50 - **What Can Apple's HealthKit Do?** From Bloomberg News. 2016. 3:47 min

<https://www.youtube.com/watch?v=Q2PpOy5RFtE>

Slide 51 - **Supporting Digital Health Solutions/Services: What is the Market & What does the Customer Need?** 38 min <https://www.youtube.com/watch?v=Uteelo8nQVA>

Slide 58 - **Bloomberg News: How secure is your health data with Apple**. 4:48 min

<https://www.youtube.com/watch?v=Ca9FbEUxSkY>

Slide 59 - **When the Doctor Prescribes an App**. News from WSI. 5.22 min

<https://www.youtube.com/watch?v=2pCF1fGTqxo>

Slide 67 - **Mount Sinai Launches Rx Universe – Mobile Health Prescription Platform**. 2:07 min

<https://www.youtube.com/watch?v=hNC7OYOP-1M>

Slide 70 - **Epic and iHealth App: My Data, Your Data, Our Data: Using Apple's HealthKit and ResearchKit to Improve Care Delivery and Clinical Research**. 30:00 min

https://www.youtube.com/watch?v=MEh9murD_wk

Slide 71 - **The Doctors Office of the Future**. Bloomberg News. 1/18/17. 4:19 min

<https://www.bloomberg.com/news/videos/2017-01-18/the-doctor-s-office-of-the-future-video>

Bibliography

1. American Medical Association. AMA Adopts Principles to Promote Safe, Effective mHealth Applications. Press release. Nov 16, 2016. <https://www.ama-assn.org/ama-adopts-principles-promote-safe-effective-mhealth-applications>
2. Brüggemann, Thomas, et al. "An Information Privacy Risk Index for mHealth Apps." *Annual Privacy Forum*. Springer International Publishing, 2016. http://link.springer.com/chapter/10.1007/978-3-319-44760-5_12
3. Duffy, J. 10 apps that are changing healthcare. *PC Magazine*. 2/11/15. <http://www.pcmag.com/article2/0,2817,2476623,00.asp>
4. Food and Drug Administration. Mobile Medical Applications: Guidance for Industry and Food and Drug Administration Staff. February 9, 2015. <http://www.fda.gov/downloads/MedicalDevices/.../UCM263366.pdf>
5. Future of Privacy Forum. FPF Mobile Apps Study. August 2016. https://fpf.org/wp-content/uploads/2016/08/2016-FPF-Mobile-Apps-Study_final.pdf
6. Grindrod K, Boersema J, Waked K, Smith V, Yang J, Gebotys C. Locking it down: The privacy and security of mobile medication apps. *Canadian Pharmacists Journal : CPJ*. 2017;150(1):60-66. doi:10.1177/1715163516680226. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5330422/>
7. IMS Institute. Patient Adoption of mHealth: Use, Evidence and Remaining Barriers to Mainstream Acceptance. September 2015. http://www.imshealth.com/files/web/IMSH%20Institute/Reports/Patient%20Adoption%20of%20mHealth/IIH_I_Patient_Adoption_of_mHealth.pdf
8. Misra, D. App claims to measure oxygen saturation with only a smartphone. *Medpages Today*, June 2015. <http://www.medpagetoday.com/Blogs/IltifatHusain/51888>
9. Oscar, R. Mobile apps improve medication adherence, reduce costs. *ModernMedicine Network*. 2016. <http://managedhealthcareexecutive.modernmedicine.com/managed-healthcare-executive/news/mobile-apps-improve-medication-adherence-reduce-costs>
10. Pew Health Research Institute. Healthcare delivery of the future: How digital technology can bridge time and distance between clinicians and consumers. November 2014. <https://www.pwc.com/us/en/health-industries/top-health-industry-issues/assets/pwc-healthcare-delivery-of-the-future.pdf>
11. Ritterband, V. Apps for physicians and patients: The next frontier for EHRs? Massachusetts Medical Society Vital Signs. 2015 <http://www.massmed.org/News-and-Publications/Vital-Signs/Apps-For-Physicians-and-Patients--The-Next-Frontier-for-EHRs-/#.WNVjyGeluvF>
12. Scher, DL. The big problem with mobile health apps. *Medscape*. 2015. <http://www.medscape.com/viewarticle/840335>
13. Singh, Karandeep, l et al. "Many Mobile Health Apps Target High-Need, High-Cost Populations, But Gaps Remain." *Health Affairs* 35.12 (2016): 2310-2318. <http://content.healthaffairs.org/content/35/12/2310.abstract>
14. Vegesna A, Tran M, Angelaccio M, Arcona S. Remote Patient Monitoring via Non-Invasive Digital Technologies: A Systematic Review. *Telemed J E Health*. 2017;23(1):3-17. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5240011/pdf/tmj.2016.0051.pdf>
15. Telemedicine Reimbursement Guide. <https://evisit.com/telemedicine-reimbursement-guide-2/>