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#### Disclosure

- I have nothing to disclose
  - No financial interest in any products
  - I have not been given free use of any product
- This presentation is intended to increase awareness of apps on the market and is not intended to recommend products for use in medical practice

 There are many more Apps than we have time to discuss.



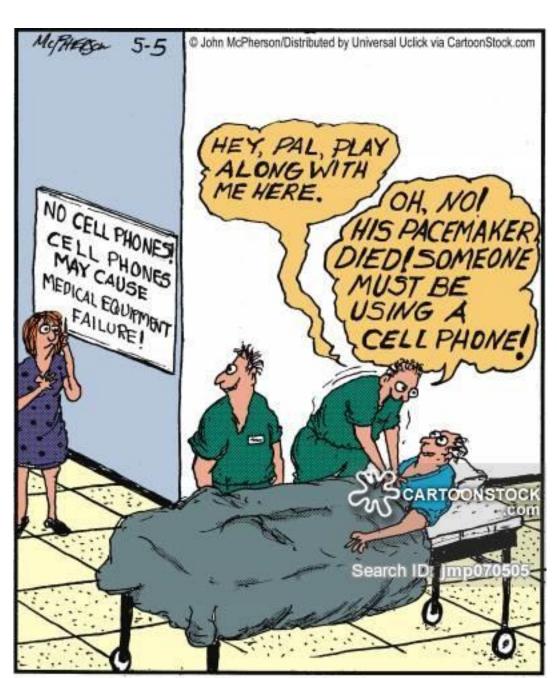




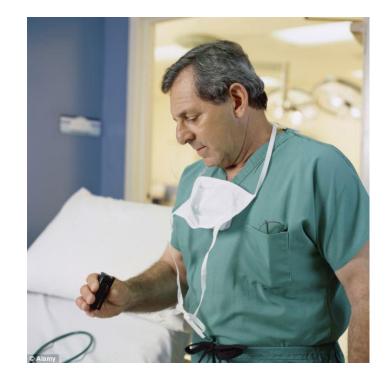
#### Remember When?















## Clinicians' Use of Mobile Devices (2014)

<ul> <li>To view patient information</li> </ul>	69%
<ul> <li>To look up non-PHI health information</li> </ul>	<b>65%</b>
<ul> <li>For education or training purposes</li> </ul>	49%
<ul> <li>For clinical notifications</li> </ul>	<b>42%</b>
<ul> <li>For secure communications regarding patients</li> </ul>	39%

#### Clinicians' Use of Mobile Devices



1	Do you use a mobile device in clinical	work?	
	Mobile devices permitted or used in clinical work	88.1%	
	Mobile devices not permitted	11.9%	
2	What type of mobile device do you use in clinical work?		
	Smartphone	63.3%	
	Tablet	19.9%	
3	How many hospitalists choose not to use devices?		
	Smartphones are permitted, but I don use them in my clinical work	ít 16.8%	
	Tablets are permitted, but I don't use them in my clinical work	17.6%	
4	The future use of mobile devices In the next five years, do you anticipate the use of smartphones and tablets in clinical work will become		
	Much more significant	71.7%	
	Slightly more significant	21.7%	
	About the same as now	5.8%	
	Use will decrease	0.8%	

#### Advanced Nursing Care

- Wireless communication (Vocera or VOIP)
- Real-time location systems
  - Equipment, medications, patients
- Wireless patient monitoring
- Medication administration with bar-coding
- Workflow management systems
- Interactive patient education

### Improving Efficiency for Doctors

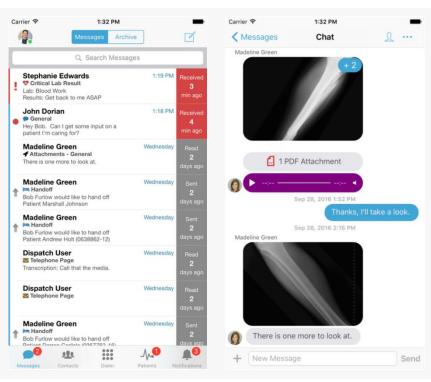
- Communication
- Information Retrieval
- Decision-Making
- Record-keeping
- Billing and Handoffs
- Patient Experience

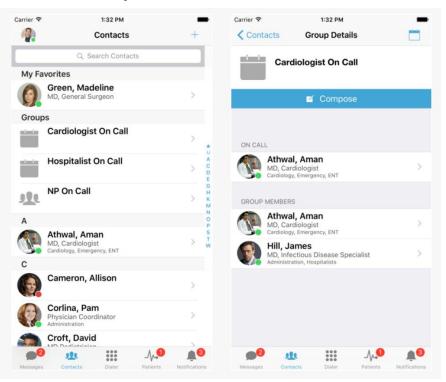
# Physician Communications



#### SmartPager by TeleMed IQ

- HIPPA Compliant pager
  - Text messages, pages, and voice messages
  - Can receive and send and confirm receipt
  - One touch call back and group paging
  - Storage of contacts
  - Voice to text transcription



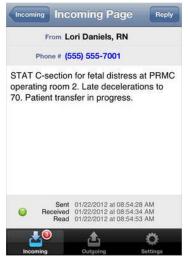


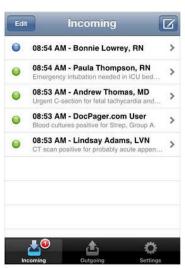


(\$99.99/year)

#### DocPager

- HIPPA Compliant pager
  - Text messages and pages
  - Uses cellular or WiFi
  - Can track incoming/outgoing pages
  - No voice message capabilities









## Networking between Doctors



### Doximity

- Largest doctor network (>50% of physicians)
- HIPPA secure communication & faxing
- Find almost any US physician
- (Free) CME articles and job offers for doctors only









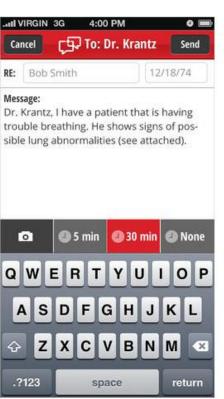




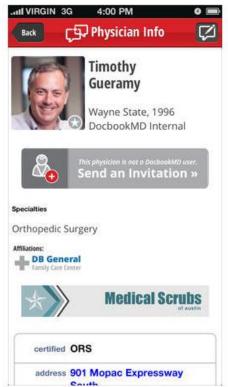
#### DocbookMD

- Data sharing and communication tool for physicians and their team
- HIPPA secure transmission of patient data to colleagues
- (Free) HIPPA compliant multi-media messaging









# Communicating with Patients



#### Canopy

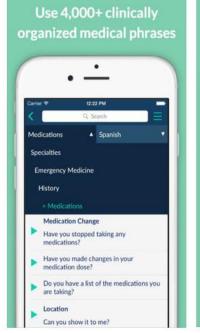
- Medical phrases translated for use at the point of care – multiple languages
  - Over 4000 common medical phrases
- Call your medical interpreter if needed

(Free)









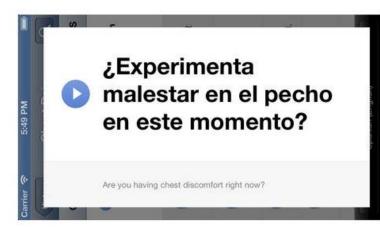




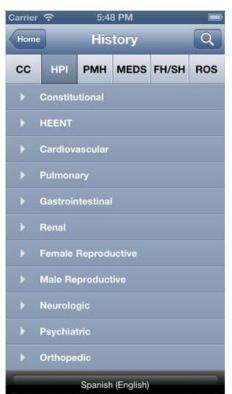
(Free)

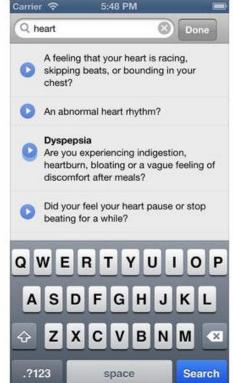
#### MediBabble Translator

- Five languages with questions in order of H&P
- No internet connection required











### Improving Efficiency for Doctors

- Communication
- Information Retrieval
- Decision-Making
- Record-keeping
- Billing and Handoffs
- Patient Experience

## POS Reference e-Books on the Go

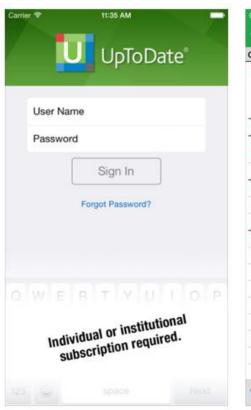


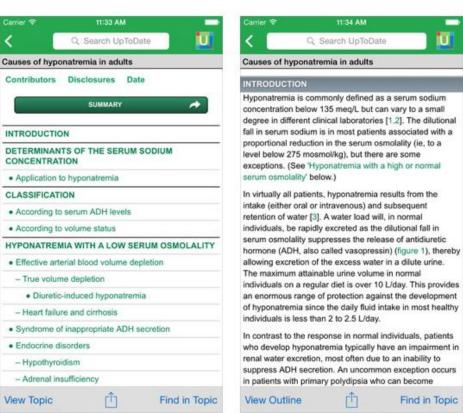
#### UpToDate

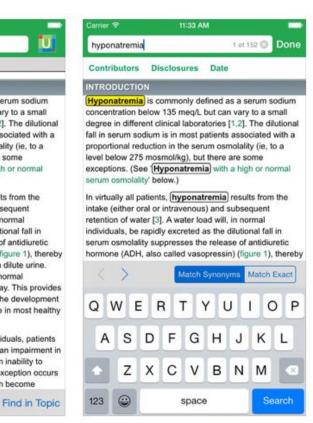
Leading clinical decision support resource

U

- Evidence-based clinical information
- Earn and track free CME
- (\$500/year) Mobile optimized calculators





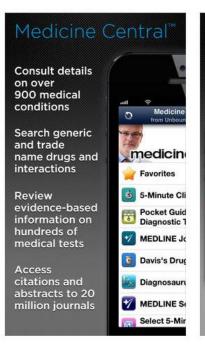




#### Medicine Central

- Integrated Drug and Test Resource
- Includes 5-MCC, Davis's Drug Guide, McGraw-Hill's Diagnosaurus, Pocket Guide to Diagnostic Tests, Medline Search

(\$169/year) • Requires annual subscription











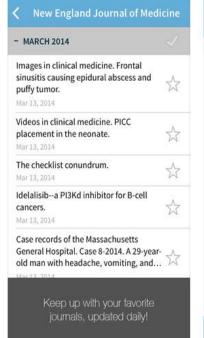


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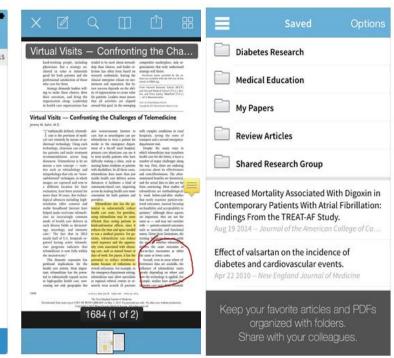
#### Docphin

- Best App for Doctors in 2015
- Follow journals, search PubMed
  - access over 1000 landmark articles.
- Weekly e-mail digest
- Save and annotate PDFs







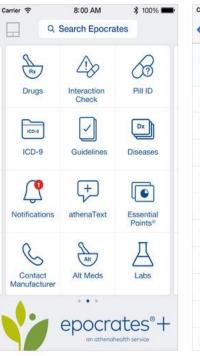


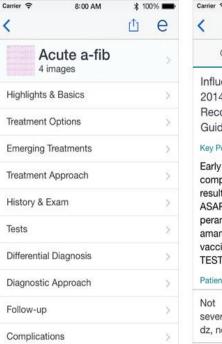


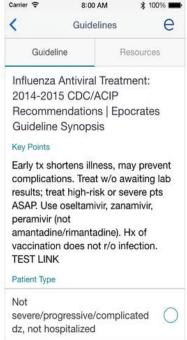
#### **Epocrates**

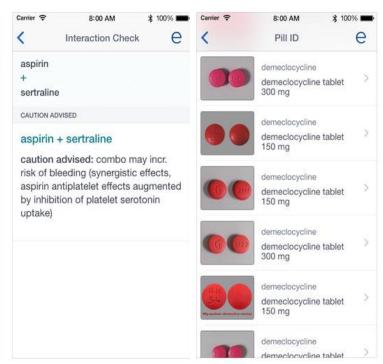
- Over 1 million doctors use Epocrates
- Drug prescribing, interactions, guidelines
- Medical calculator
- HIPPA Compliant text messaging

(\$175/year for Plus)







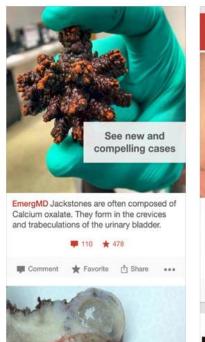




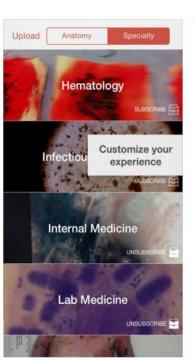
### Figure 1

- Safely share clinical cases
- Help diagnose or teach others
- HIPPA Compliant
  - In-app consent form
  - Remove identifying details

(Free)





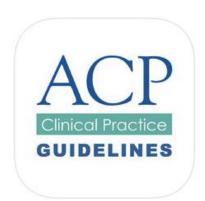






### Improving Efficiency for Doctors

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- Decision-Making
- Record-keeping
- Billing and Handoffs
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#### Free

#### **ACP Clinical Practice Guidelines**

- Evidence-based clinical practice guidelines
- Includes recommendations and rationale
- Algorithms and summary tables
- Talking points









3:33 PM

-92 Verizon 중

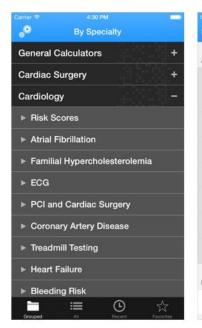
## Medical Calculators

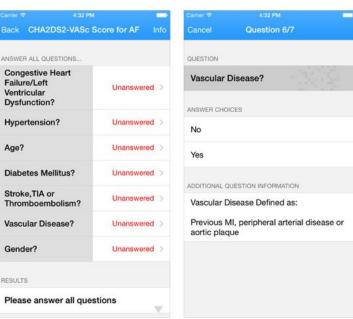


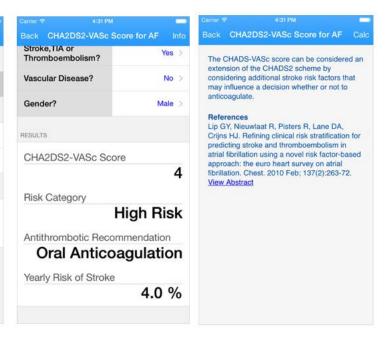
#### Free

### Calculate by QxMD

- 200 calculators and decision support tools
- Pre-Operative Risk Calculators
- Referenced with PubMed integration









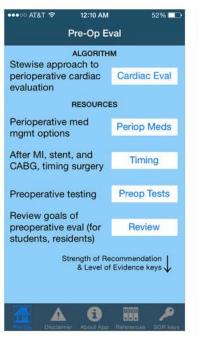
Free (iOS only)

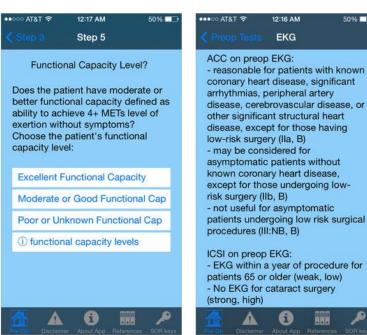
#### Preop Eval

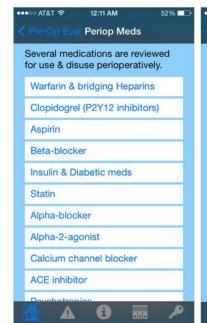
Guidelines to evaluate and prepare adult patients for non-cardiac surgery

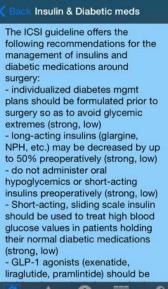
- Cardiac evaluation algorithm
- Medication start/stop guidance
- Timing of surgery after cardiac events
- Preoperative testing guidance
- Review of the periop evaluation for students/residents

50%









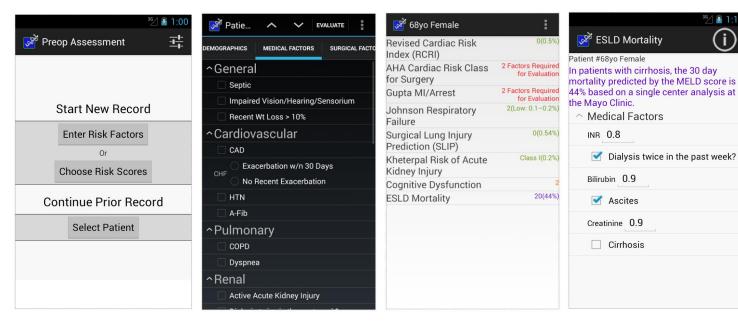


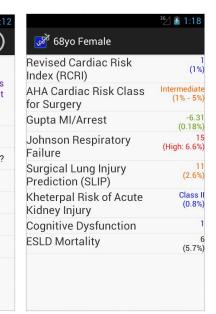
#### Preop Risk Assessment

Evaluate multiple risk scores without re-entering data

Includes RCRI, RRI, SLIP, MICA

Free (Android only)



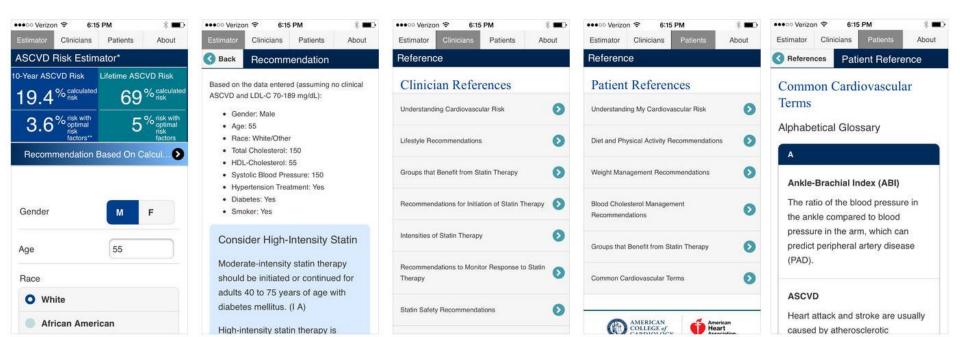




#### Free

#### ASCVD Risk Estimator

- Published by the ACC and AHA
- Estimates 10 year and lifetime ASCVD risk
- Guidelines for therapy, monitoring, and lifestyle



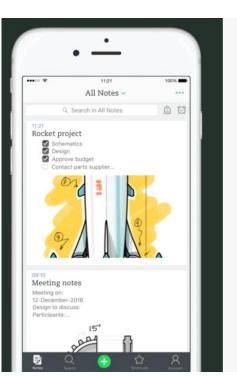
### Improving Efficiency for Doctors

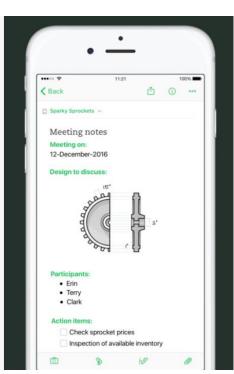
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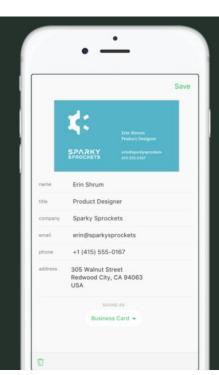
#### Evernote

- Store any note or multimedia
- Keep meeting minutes
- Scan and save
- Search your own handwriting





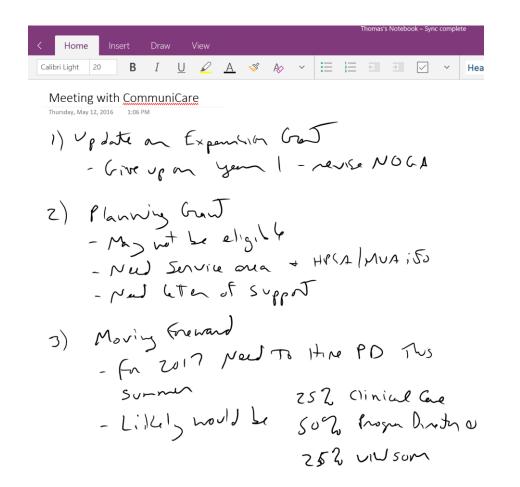


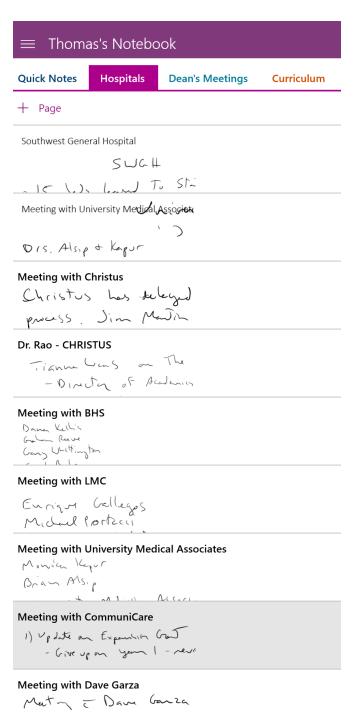




#### One Note

Keep meeting notes
Store files and multimedia
Works great on tablets





## Personal Health Records



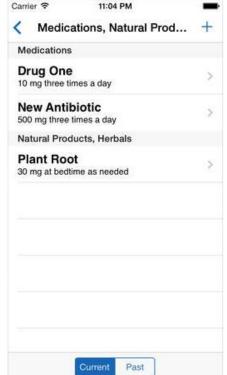
## MyMedRec

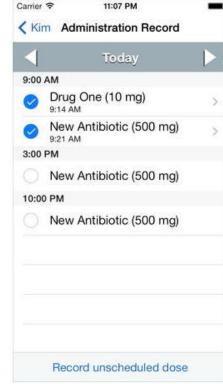
- Personal Medical Record for Patients
  - Can be shared with health professionals
  - Reminders and logs for medications
  - Personal drug information

(Free)











Capzule PHR -Your Personal... Medical



Get v



onpatient PHR -Personal Health... Health & Fitness



FollowMyHealth

Mobile

Medical

+ Get 🗸

Personal Running Trainer - Run... Health & Fitness

In-App Purchases



Personal Health Record Lite Medical

In-App Purchases



Teladoc Member - 24/7 access to ... Medical



Personal Health Record Health & Fitness



Health Tracker & Manager for iPa... Health & Fitness



Hamilton
Depression Scal...
Health & Fitness

+ Get



Health Tracker & Manager by...
Health & Fitness

\* Get •

In-App Purchases



YourHealthReco... Mobile Health & Fitness + Get •



ZenVault Medical PHR Medical



Doctor's Note Medical



Minerva PHR Viewer Health & Fitness



myPRs (formerly PR: Personal... Health & Fitness



yogApp Lite Health & Fitness + Get v In-App Purchases



Family Health Record Health & Fitness



EasyMed Medical Passport Medical



Healee Medical



Provisor for iPad Medical



CBI Assistant Health & Fitness



NYU Langone Medical



SecuEra PHR Medical



CladeHealth Medical



MedJournal Lite Medical



Healthmemo -Electronic Healt.. Health & Fitness



CareFlowSHR Medical



iMedInfo Health & Fitness + \$1.99



Trillium Medical Center Medical



I'M HOME! ™ Medical



Depression Screening Pro Medical



REKA Health & Fitness + Get •



Patient CCD Reader Medical



Better Day™ Health Medical



MphRx Medical



mihealth Medical



MyMedicalReco...
PHR
Health & Fitness

+ Get



NSLIJ Labs Medical



BCM Medical



MedJournal Medical



IDF ePHR Health & Fitness



CareFlow PHR Independent
Medical Medical

\* \$4,99 \cong \text{ fet \cong }



Shared Med Journal Health & Fitness + Get | •



InstantPHR Health & Fitness + Get | •



DRC Medical



Elite South Medical



Test Report
Medical

+ Get



Resource Access Card Health & Fitness

# Electronic Health Records

#### Electronic Health Records



PrimeMOBILE



Mediforms EMR



WISE-Touch





gEHRiMed for iPad



Kareo - EHR, PM, Medical Billing



Care360 HD for Physicians and...



Medical







Practice Fusion EHR / EMR



OneTouch EMR



iMedDoc-EMR



Medicapp Health Records - EHR f...



HealthMEDX



Doc - ADP...

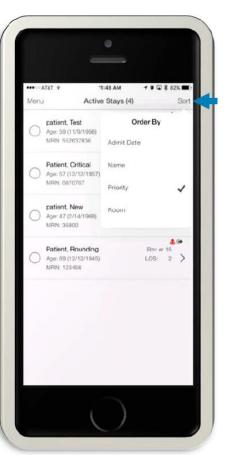
# Improving Efficiency for Doctors

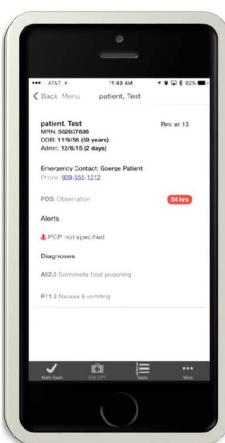
- Communication
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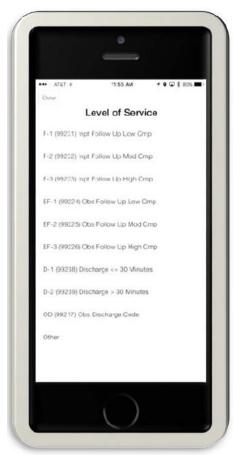


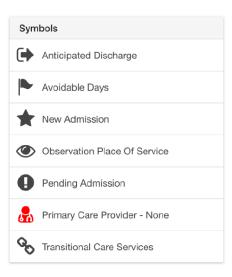
#### Brio (Sound Hospitalists)

- Patient list and basic patient data
- Note patients seen, anticipated discharge or pending admission
- See diagnosis list and note level of service
- Can enter data and billing info on the go









# Improving Efficiency for Doctors

- Communication
- Information Retrieval
- Decision-Making
- Record-keeping
- Billing and Handoffs
- Patient Experience

### Enhancing the Hospital Experience

- Pilot at Boston Children's Hospital to help patients and families navigate their journey
- Given tablet to access the app which would:
  - Access test results: Patients and families can see the results of their laboratory and other tests displayed in both numbers and colorful graphics that are easier for non-clinicians to understand.
  - Access care plans: Patients and families can view what therapies and procedures clinicians have planned and their criteria for discharge.
  - Access the care team: Patients and families can send care-related questions to the clinicians providing their care; the questions are triaged by a nurse who either provides answers or sends the questions to the appropriate team member to address.
- The app has enhanced provider-patient communication and provided patients with a self-service mechanism they can access

# Telemedicine Apps

- Useful in Transitions of Care?



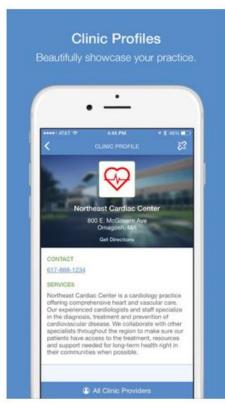
#### TouchCare

- Video chat with YOUR doctor
  - Supplement your office practice
  - HIPPA Compliant
  - Follow-up appointments, test results, etc.
  - Not set up to charge for time









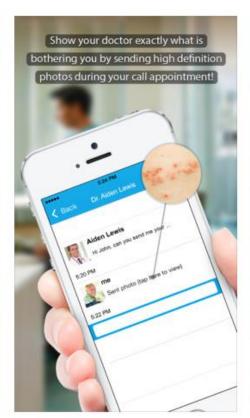


#### VideoMedicine

- Video chat with doctor or psychologist
  - Specialists and primary care HIPPA Compliant
  - Per minute charges
  - Prescribing in some states
  - Doctor chooses their rate and hours









# Discussion What Apps or Devices Improve your Professional Life?