

Clinical Informatics:

Basic Concepts and Practical Application

Samer Fahmy, MD, FACP

CMIO - Boca Raton Regional Hospital

Associate Program Director – FAU Internal Medicine

EHR Past and Present

Clinical Decision Support

Health Information Exchange

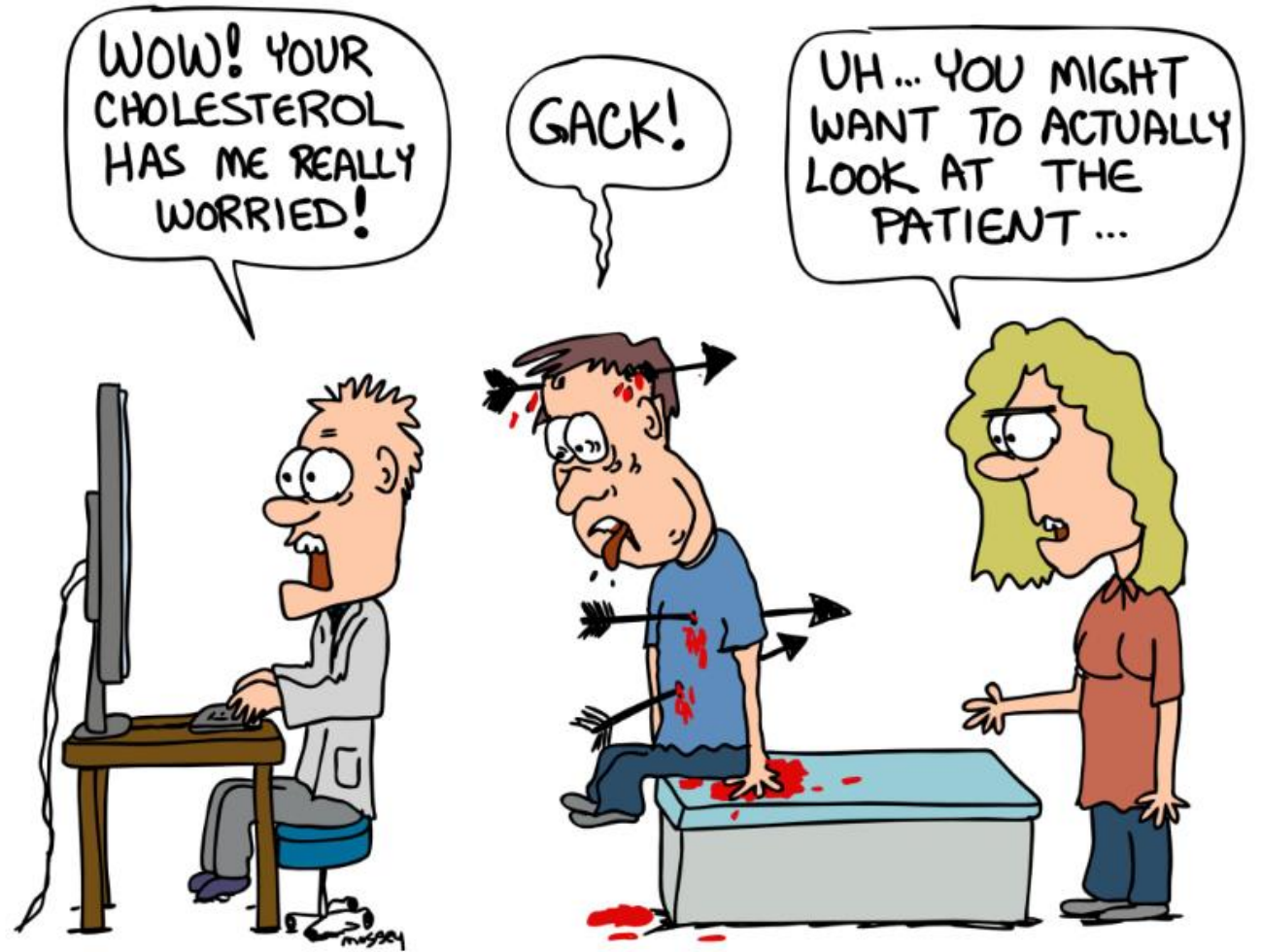
Opioid Epidemic Response

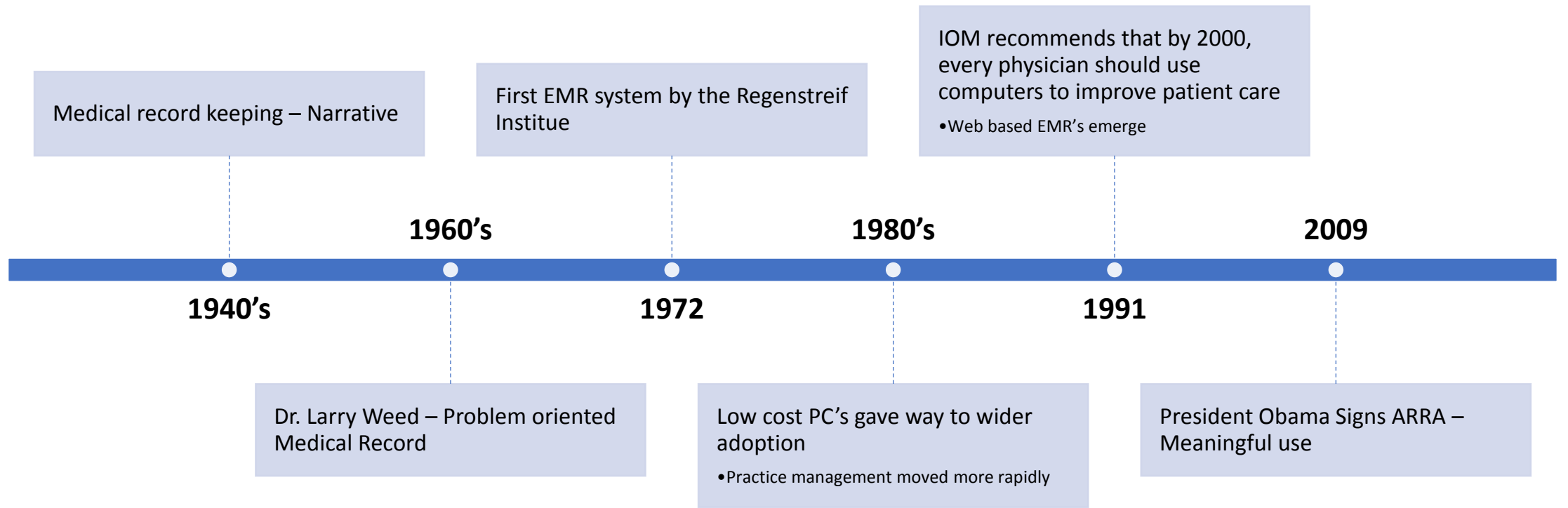
Secure Messaging

Common Errors in Cerner/Tips and tricks

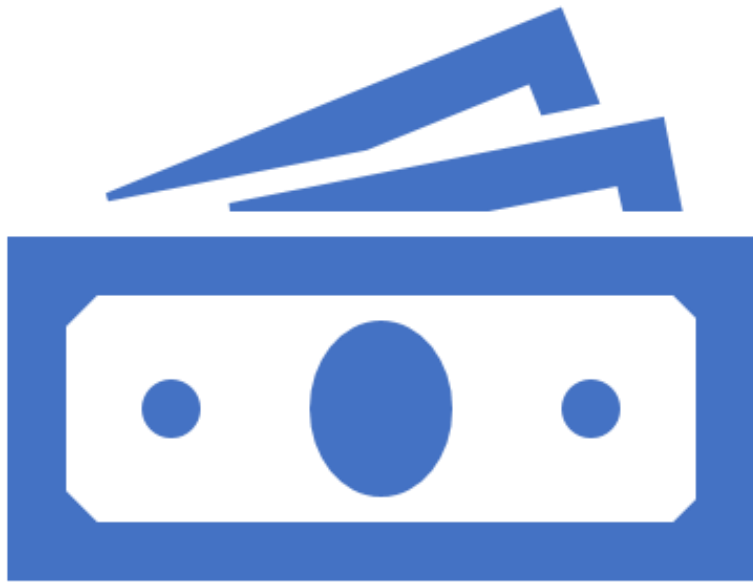
Agenda

The EHR





EHR Timeline



American Recovery and Reinvestment Act of 2009 (ARRA)

- **\$831 Billion stimulus package**
 - Healthcare overall \$155 Billion
 - Medicaid \$88 Billion
- **HITECH Act \$25 Billion**
 - Meaningful use program

Stage 1

2011-2012

Data capture and sharing

Meaningful use criteria focus on:

- Electronically capturing health information in a standardised format
- Using that information to track key clinical conditions
- Communicating that information for care coordination processes
- Initiating the reporting of clinical quality measures and public health information
- Using information to engage patients and their families in their care

Stage 2

2014

Advance clinical processes

Meaningful use criteria focus on:

- More rigorous health information exchange (HIE)
- Increased requirements for e-prescribing and incorporating lab results
- Electronic transmission of patient care summaries across multiple settings
- More patient-controlled data

Stage 3

2016

Improved outcomes

Meaningful use criteria focus on:

- Improving quality, safety and efficiency, leading to improved health outcomes
- Decision support for national high-priority conditions
- Patient access to self-management tools
- Access to comprehensive patient data through patient-centred HIE
- Improving population health

The three stages of Meaningful Use (37)



90.4% of the 5,011 eligible hospitals;



69.6% of the estimated 527,200 eligible professionals



2014 - \$22.5 billion in combined Medicare and Medicaid EHR Incentive Program payments have been made

Payments

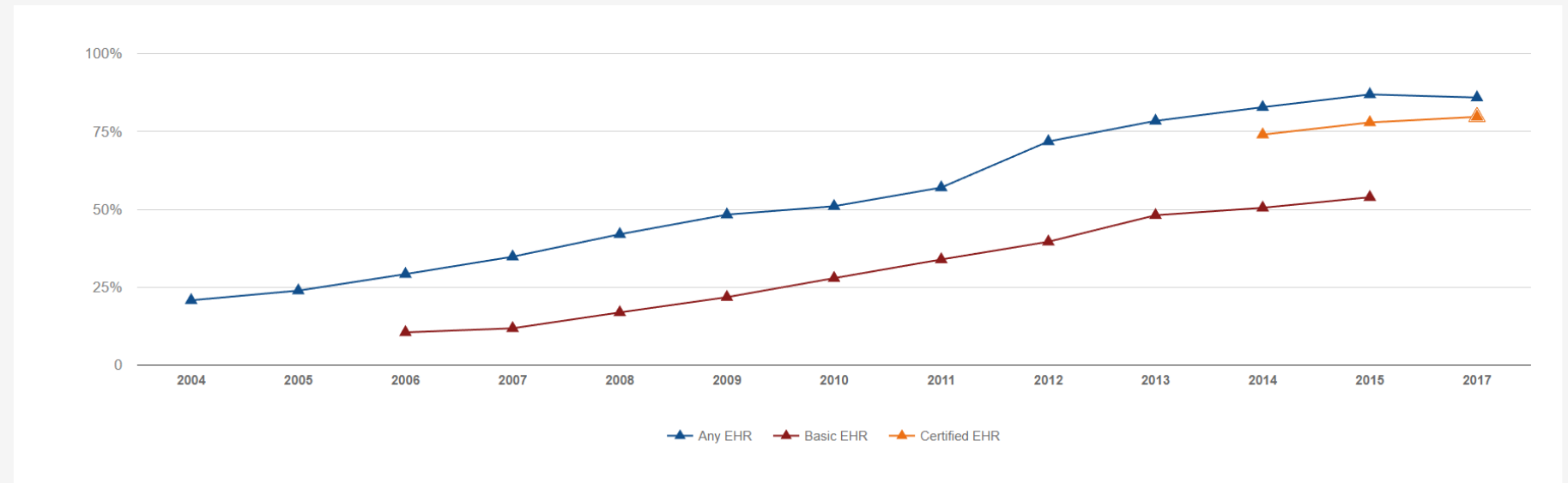
Medicare Incentives

Max payout in a year	First year of participation				No adoption
	2011	2012	2013	2014	2015
2011	\$18,000				
2012	\$12,000	\$18,000			
2013	\$7,840	\$11,760	\$14,700		
2014	\$3,920	\$7,840	\$11,760	\$11,760	
2015	\$1,960	\$3,920	\$7,840	\$7,840	-1%
2016		\$1,960	\$3,920	\$3,920	-2%
Total	\$43,720	\$43,480	\$38,220	\$23,520	\$0

Office-based Physician Electronic Health Record Adoption

EHR adoption has more than doubled since 2008

2017



Download image: [\[.png\]](#)

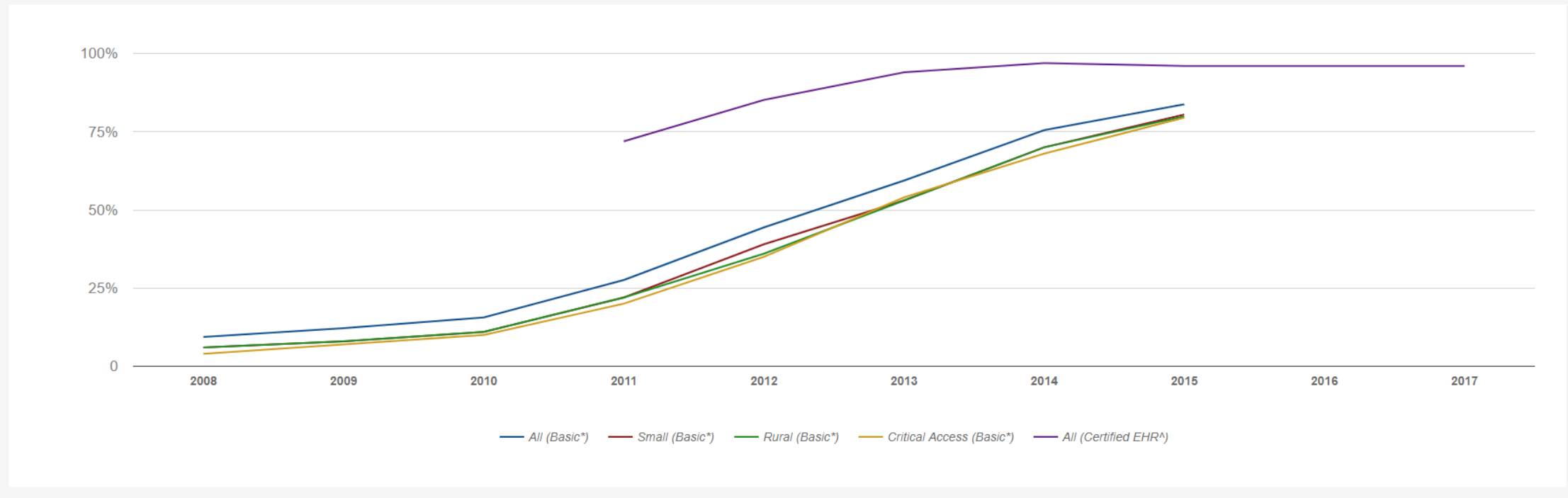
EHR
Adoption

- As of 2017, **nearly 9 in 10 (86%)** office-based physicians had adopted any EHR

Non-federal Acute Care Hospital Electronic Health Record Adoption

Four out of five hospitals have a Basic EHR system

2017



Top 10 ambulatory EHR vendors

Rank	Vendor	Market Share
1.	Epic	33.4%
2.	Cerner	24.9%
3.	MEDITECH	10.6%
4.	Evident, a CPSI Company	7.9%
5.	Allscripts	5.0%
6.	athenahealth	3.2%
7.	eClinicalWorks	3.0%
8.	Netsmart Technologies	0.9%
9.	NextGen Healthcare	0.8%
10.	Indian Health Service	0.5%

Top 10 Inpatient EHR Vendors

Rank	Vendor	Market Share
1.	Epic	30.9%
2.	Cerner	25.1%
3.	MEDITECH	14.7%
4.	Evident, a CPSI Company	8.1%
5.	Allscripts	5.7%
6.	MEDHOST	5.5%
7.	Netsmart Technologies	1.5%
8.	athenahealth	1.3%
9.	Harris Healthcare	0.8%
10.	Indian Health Service	0.5%

Acute Care EMR (Community Hospital)



See the latest **BEST IN KLAS 2019**



How do vendor solutions compare?



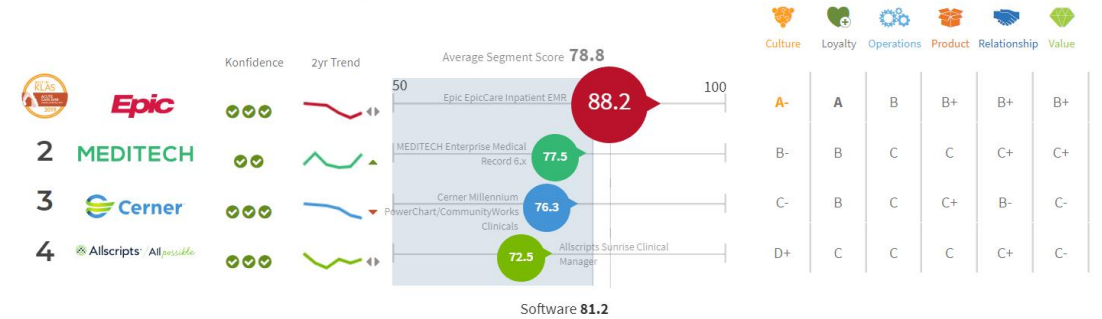
Acute Care EMR (Large Hospital / IDN)



See the latest **BEST IN KLAS 2019**



How do vendor solutions compare?



KLAS Report 2019

Small Practice Ambulatory EMR/PM (10 or fewer Physicians)



How do vendor solutions compare?



Ambulatory EMR (11-75 Physicians)



How do vendor solutions compare?



KLAS Report 2019

Speech Recognition: Front-End EMR



mModal™

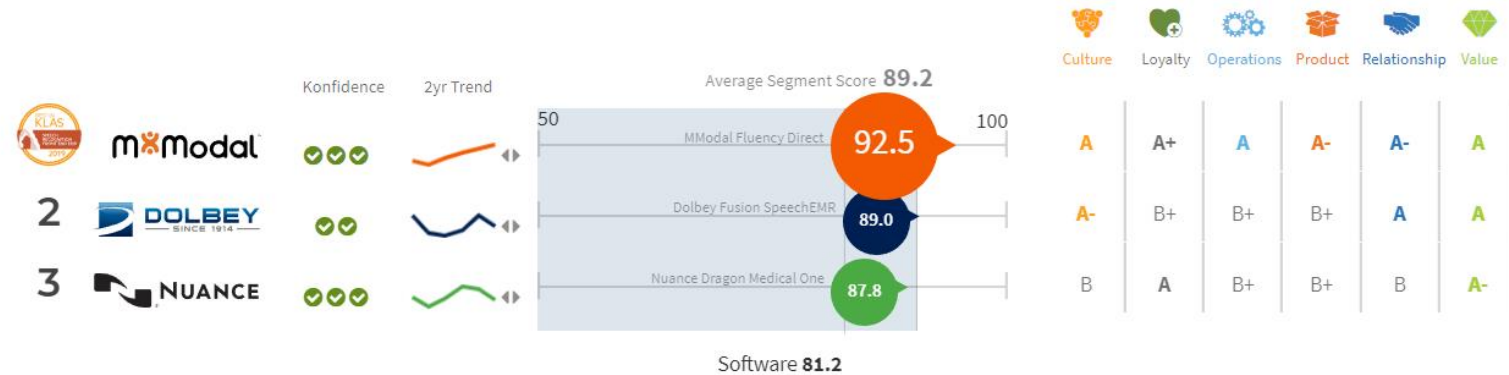
See the latest **BEST IN KLAS 2019**



BEST IN KLAS 2019

2019 GLOBAL

How do vendor solutions compare?



KLAS Report 2019

March 2018

How Doctors Feel About Electronic Health Records

National Physician Poll
by The Harris Poll



Background, Objectives, and Methodology

New research from Stanford Medicine, conducted with The Harris Poll examined perceptions of EHR systems among primary care physicians (PCPs). The research will inform a white paper drafted by Stanford Medicine, one that is focused on identifying what problems doctors are encountering with EHRs, and then implementing solutions.

Qualified respondents were:

- ✓ PCPs (Primary medical specialty defined as Family Practice, General Practice, or Internal Medicine)
- ✓ Licensed to practice in the United States
- ✓ Using their current EHR system for a least one month

Method Statement (to be included in all materials for public release):

The survey was conducted online by The Harris Poll on behalf of Stanford Medicine between March 2 and March 27, 2018 among 521 PCPs licensed to practice in the U.S. who have been using their current EHR system for at least one month. Physicians were recruited via snail mail from the American Medical Association (AMA) Masterfile. Figures for years in practice by gender, region, and primary medical specialty were weighted where necessary to bring them into line with their actual proportions in the population of PCPs in the U.S.

Throughout this report:

- Percentages may not add up to 100% due to weighting and/or computer rounding and the acceptance of multiple responses.
- Unless otherwise noted, results for the Total (all responding PCPs) are displayed.

The Harris Poll, on behalf of Stanford Medicine, conducted a comprehensive survey of over 500 primary-care physicians (PCPs) on electronic health records (EHRs). Some key findings include:



1. Doctors see value in EHRs, but want substantial improvements.

- While roughly two-thirds of PCPs think EHRs have generally led to improved care (63%) and are at least somewhat satisfied with their current EHR systems (66%), they continue to report problems
- Four in 10 PCPs (40%) believe there are more challenges with EHRs than benefits
- 62% of time devoted to each patient is being spent in the EHR and half of office-based PCPs (49%) think using an EHR actually *detracts* from their clinical effectiveness
- Seven out of 10 physicians (71%) agree that EHRs greatly contribute to physician burnout
- Six out of 10 physicians (59%) think EHRs need a complete overhaul



2. EHRs aren't seen as powerful clinical tools; their primary value, according to PCPs, is data storage (44%).

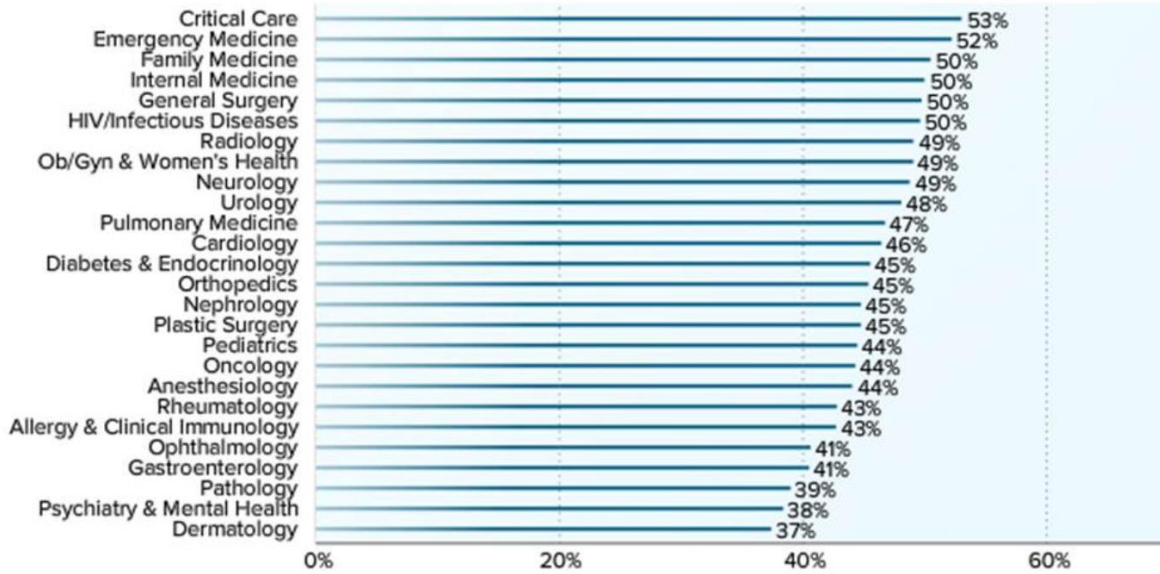
- Only 8% say the primary value of their EHR is clinically related



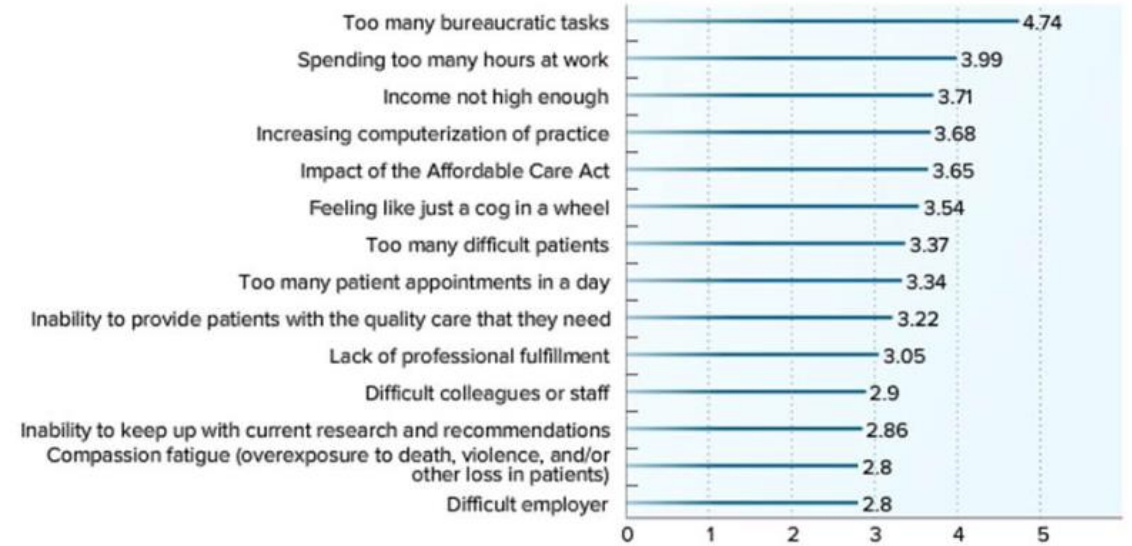
3. Physicians agree on what needs to be fixed right away, and what needs to be fixed over the next decade:

- Nearly three out of four PCPs (72%) think that improving EHRs' user interfaces could best address EHR challenges in the immediate future
- Seven out of 10 PCPs (67%) think solving interoperability deficiencies should be the top priority for EHRs in the next decade—and 43% want improved predictive analytics to support disease diagnosis, prevention, and population health management

What Percentage of Physicians Are "Burned Out"?



What Are the Causes of Burnout?



Source: Physician Lifestyle Report 2015 – Health, Wealth, Weed, Medscape

Burnout

1 BEFORE EXAM



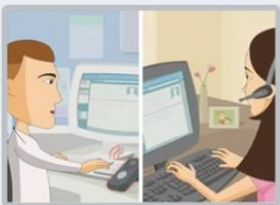
- Your Medical Assistant brings the patient to the exam room, enters the patient's medical history and vitals into your EMR.
- Your **Virtual Scribe**, connected to the exam room remotely through secure, HIPAA-compliant VOIP and RDP/VPN connections, reviews the patient's file.
- Physician enters the exam room.

2 DURING EXAM



- Your **Virtual Scribe** listens to and documents the doctor-patient encounter in real-time.
- Your **Virtual Scribe** will be busy entering notes, CPT and ICD codes, eRx, orders, and other relevant data directly into the patient's chart -- while the doctor is busy seeing and providing care to the patient.
- Your **Virtual Scribe** ensures the patients' charts meet requirements for PQRS, MU, MACRA, and/or other quality measures with which your clinic needs assistance.
- Doctor does not perform data entry during the exam.

3 AFTER EXAM



- Doctor reviews the day's charts with your **Virtual Scribe** via the secure VOIP connection, vocalizes any edits needed to the patient charts, and then signs off.
- Your **Virtual Scribe** generates referral letters and performs other tasks, as directed.

Benefits of Using Virtual Medical Scribes

	Per 8-hr day (Avg 9-10 scribe hours)	Per week @ 4 days/wk	Per month	Per year @ 11 mos/yr
Revenue generated by seeing 8 add'l Medicare/Medicaid patients per day	\$688	\$2,752	\$11,008	\$121,088
Avg cost of 2 scribes @ \$14/hour – full-time plan	(\$252)	(\$1,008)	(\$4,032)	(\$44,352)
Total Net Benefit	\$436	\$1,744	\$6,976	\$76,736

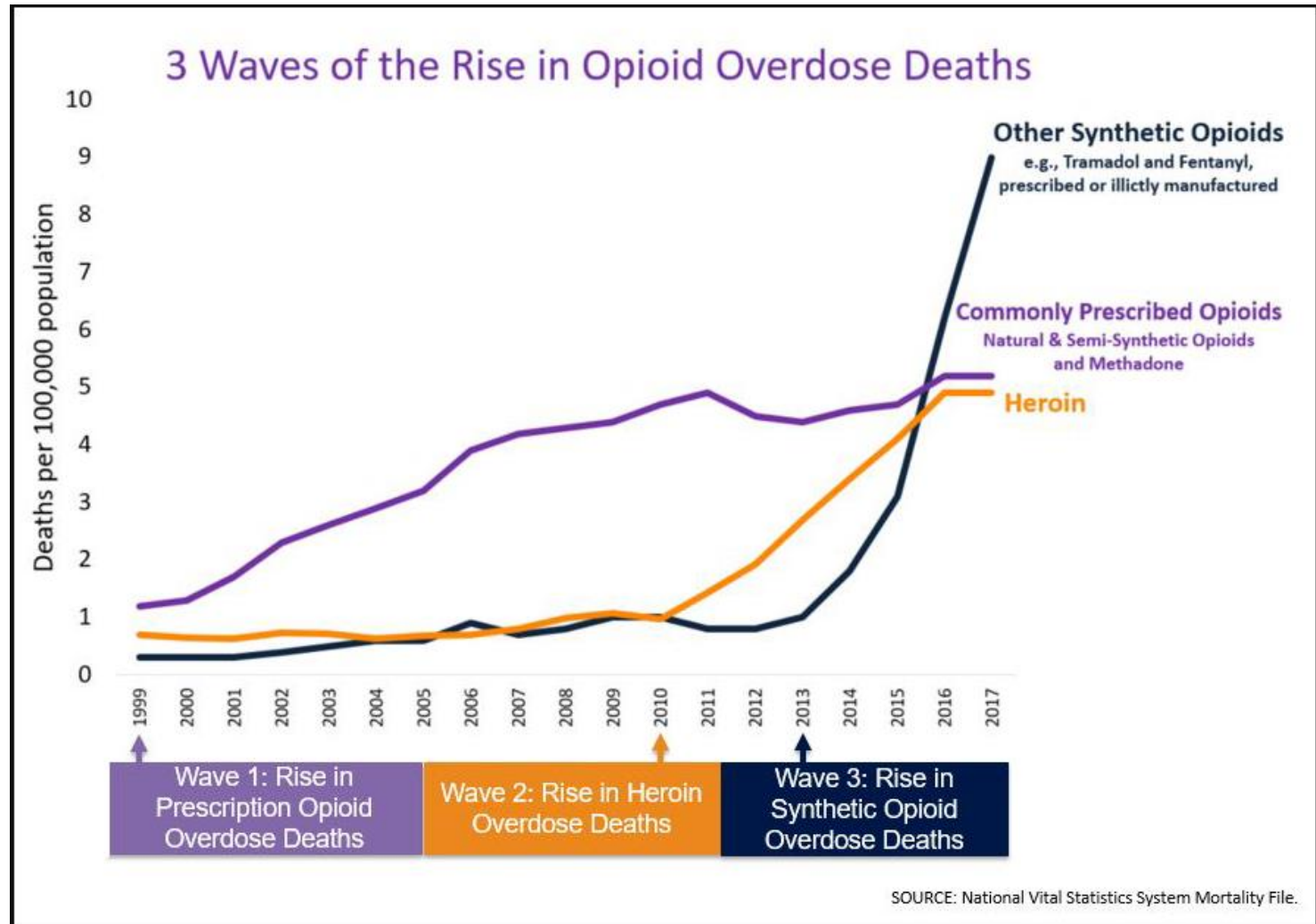
Virtual Scribe

The EHR – Not Just Record Keeping

- Collects Quality Metrics
- Changes Prescriber Behavior
- Monitors Security and Access
- Gathers Outside Records
- Clinical Decision Support Systems
- Guides Legal/Compliant Practices

EHR modifications – Opioid Epidemic

Opioid Epidemic



Understanding the Epidemic

Drug overdose deaths continue to increase in the United States.

- From 1999 to 2017, more than 700,000 people have died from a drug overdose.
- Around 68% of the more than 70,200 drug overdose deaths in 2017 involved an opioid.
- In 2017, the number of overdose deaths involving opioids (including prescription opioids and illegal opioids like heroin and illicitly manufactured fentanyl) was 6 times higher than in 1999.
- On average, 130 Americans die every day from an opioid overdose.¹



Florida Laws

- HB 21 July 2018
 - Must check PDMP
 - Max acute pain = 3 day supply
 - Acute pain exception up to 7 days
 - Dispensers must report to database
- HB 451 July 2019
 - Alternatives to opiates must be explained before prescribing
 - Pamphlet must be given to patient (made by DOH)

Pamphlet

Alternatives to Opioids: Therapies

ADVANTAGES:

- Can control and alleviate mild to moderate pain with few side effects.
- Can reduce exposure to opioids and dependency.
- Treatment targets the area of pain—not systemic.
- Providers are licensed and regulated by the State of Florida.* (appsmaq.doh.state.fl.us/MQASearchServices)

DISADVANTAGES:

- May not be covered by insurance.
- Relief from pain may be temporary.
- May not be effective for severe pain.

Sources: American Pain Society, National Pain Management Center, Harvard Health Publications

THERAPIES	DESCRIPTIONS, ADDITIONAL ADVANTAGES & DISADVANTAGES
Self-care	<p>Cold and heat: Ice relieves pain and reduces inflammation and stiffness. Can provide short-term and long-term relief.</p> <p>Exercise and movement: Regular exercise and physical therapy can help ease some types of chronic pain. Mind-body practices like yoga and tai chi incorporate movement and breathing techniques to strengthen muscles. <i>Maintaining daily exercise and movement can help ease some types of chronic pain.</i></p>
Complementary Therapies	<p>Acupuncture: Acupuncturists* insert thin needles into the body to promote healing. Can help ease some types of chronic pain. Can reduce the frequency of tension headaches.</p> <p>Chiropractic: Chiropractic physicians* practice a mechanical, electrical and natural methods, and may improve general health. <i>Aching or soreness in the first few hours after treatment.</i></p> <p>Osteopathic Manipulative Treatment (OMT): Osteopaths* use hands-on techniques to treat muscles, joints and other tissues—to treat pain. <i>Can be used in the first few days after treatment is possible.</i></p> <p>Massage therapy: Massage therapists* manually manipulate the soft tissue of the body. Can relieve pain by relaxing painful muscles, tendons and ligaments. <i>Can relieve pain by relaxing painful muscles, tendons and ligaments. Can relieve pain by relaxing painful muscles, tendons and ligaments. At certain points, massage can stimulate the brain. Can relieve pain by relaxing painful muscles, tendons and ligaments. At certain points, massage can stimulate the brain. Especially during deep tissue massage.</i></p> <p>Transcutaneous electrical nerve stimulation (TENS): TENS uses electrodes placed on the skin with varying frequencies of electrical current to stimulate nerves. <i>Can be used to relieve pain. The intensity of TENS is described by the patient. Adhesive pads are possible.</i></p>
Rehabilitation Therapies	<p>Occupational therapy: Occupational therapists* help people with daily activities. Can relieve pain associated with dressing, bathing, eating, walking, and driving. <i>Can improve coordination, balance, flexibility and range of motion. Can relieve pain associated with dressing, bathing, eating, walking, and driving. Can improve coordination, balance, flexibility and range of motion. The patient does not practice as instructed.</i></p> <p>Physical therapy: Physical therapists* treat pain and improve functional abilities. <i>Therapy interventions and recommendations are provided by the physical therapist. Can relieve pain and improve functional abilities. Therapy interventions and recommendations are provided by the physical therapist.</i></p>
Behavioral and Mental Health Therapies	<p>Psychiatrists*, clinical social workers*, marriage and family therapists*, and psychologists* provide therapies that identify and treat mental health conditions that contribute to pain management. <i>When used to manage pain, these therapies can help ease some types of chronic pain.</i></p>

Talk to your health care provider about how to treat your pain. Create a safe and effective treatment plan that is right for you.

Alternatives to Opioids: Medications

ADVANTAGES:

- Can control and alleviate mild to moderate pain with few side effects.
- Can reduce exposure to opioids and dependency.

DISADVANTAGES:

- May not be covered by insurance.
- May not be effective for severe pain.

Florida HEALTH

NON-OPIOID MEDICATIONS	DESCRIPTIONS, ADDITIONAL ADVANTAGES & DISADVANTAGES
Acetaminophen (Tylenol)	Relieves mild-moderate pain, and treats headache, muscle aches, arthritis, backache, toothaches, colds and fevers. <i>Overdoses can cause liver damage.</i>
Non-steroidal Anti-inflammatory Drugs (NSAIDs): Aspirin, Ibuprofen (Advil, Motrin), Naproxen (Aleve, Naprosyn)	Relieve mild-moderate pain, and reduce swelling and inflammation. <i>Risk of stomach problems increases for people who take NSAIDs regularly. Can increase risk of bleeding.</i>
Nerve Pain Medications: Gabapentin (Neurontin), Pregabalin (Lyrica)	Relieve mild-moderate nerve pain (shooting and burning pain). <i>Can cause drowsiness, dizziness, loss of coordination, tiredness and blurred vision.</i>
Antidepressants: Effexor XR, Cymbalta, Savella	Relieve mild-moderate chronic pain, nerve pain (shooting and burning pain) and headaches. <i>Depending on medication, side effects can include: drowsiness, dizziness, tiredness, constipation, weight loss or gain.</i>
Medicated Creams, Foams, Gels, Lotions, Ointments, Sprays and Patches: Anesthetics (Lidocaine), NSAIDs, Muscle Relaxers, Capsaicin	Can be safer to use because medication is applied where the pain is. Anesthetics relieve mild-moderate nerve pain (shooting and burning pain) by numbing an area; NSAIDs relieve mild-moderate pain of osteoarthritis, sprains, strains and overuse injuries; and capsaicin relieves mild-moderate musculoskeletal and neuropathic pain. <i>Skin irritation is the most common side effect. Capsaicin can cause warmth, stinging, or burning on the skin.</i>
Interventional Pain Management	Includes anesthetic or steroid injections around nerves, tendons, joints or muscles; spinal cord stimulation; drug delivery systems; or permanent or temporary nerve blocks. <i>Medicates specific areas of the body. Can provide short-term and long-term relief from pain. Certain medical conditions and allergies can cause complications.</i>
Non-opioid Anesthesia	Opioids can be replaced with safer medications that block pain during and after surgery. <i>A health care provider or an anesthesiologist can provide options and discuss side effects.</i>

Checklist from Floridahealth.gov

Alternatives to Opioids

Health Care Provider Checklist

INFORM

- Non-opioid alternatives for pain treatment, which may include non-opioid medicinal drugs or drug products are available.
- Non-opioid interventional procedures or treatments which may include: acupuncture, chiropractic treatments, massage, physical or occupational therapy, or other appropriate therapy are available.

DISCUSS

- Advantages and disadvantages of non-opioid alternatives.
- Patient's risk or history of controlled substance abuse or misuse and patient's personal preferences.

DOCUMENT IN PATIENT'S RECORD

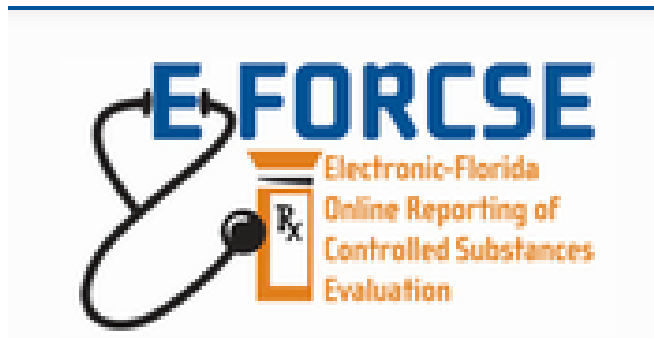
- Non-opioid alternatives considered.

Cerner Changes

- Auto-text built **.fldiscussnonopioid**
 - Discussed with patient non-opioid alternatives for pain treatment. Discussed the advantages and disadvantages of the use of non-opioid alternatives. Non-opioid alternatives that were considered were [_____].
- Anesthesia power-note modified
- Opiate pamphlet to all patients at registration
- Opioid education added to discharge instructions
- Clinical Decision Support Rule with Powerform approved and being built

NarxCare

PDMP Connection NarxCare



- Integration with Florida E-forsce
- No login required
- Narx score included
- Project kicked off and go live October 2019

No prescription data is available from your state PMP for this patient.

Ninthfloor Zzzprodfreeze, 40

Powered by NarxCare

Narx Report Resources

Date: 09/16/2019

+ Ninthfloor Zzzprodfreeze

- Risk Indicators

NARX SCORES

Narcotic Sedative Stimulant
000 000 000

Explanation and Guidance

OVERDOSE RISK SCORE

000
(Range 000-999)

Explanation and Guidance

ADDITIONAL RISK INDICATORS (0)

Explanation and Guidance

This NarxCare report is based on search criteria supplied and the data entered by the dispensing pharmacy. For more information about any prescription, please contact the dispensing pharmacy or the prescriber. NarxCare scores and reports are intended to aid, not replace, medical decision making. None of the information presented should be used as sole justification for providing or refusing to provide medications. The information on this report is not warranted as accurate or complete.

- Graphs

RX GRAPH

Narcotic Sedative Stimulant Other

Prescribers

Timeline 09/16 2m 6m 1y 2y

*Per CDC guidance, the MME conversion factors prescribed or provided as part of the medication-assisted treatment for opioid use disorder should not be used to benchmark against dosage thresholds meant for opioids prescribed for pain. Buprenorphine products have no agreed upon morphine equivalency, and as partial opioid agonists, are not expected to be associated with overdose risk in the same dose-dependent manner as doses for full agonist opioids. MME = morphine milligram equivalents. LME = Lorazepam milligram equivalents. MG = dose in milligrams.

- Summary

Summary

Total Prescriptions:	0	Narcotics* (excluding buprenorphine)		Sedatives*		Buprenorphine*	
Total Prescribers:	0	Current Qty:	0	Current Qty:	0	Current Qty:	0
Total Pharmacies:	0	Current MME/day:	0.00	Current LME/day:	0.00	Current mg/day:	0.00
		30 Day Avg MME/day:	0.00	30 Day Avg LME/day:	0.00	30 Day Avg mg/day:	0.00

- Rx Data

PRESCRIPTIONS

Total Prescriptions: 0
Total Private Pay: 0

Fill Date ID Written Drug Qty Days Prescriber Rx # Pharmacy Refill Daily Dose * Pymt Type PMP

*Per CDC guidance, the MME conversion factors prescribed or provided as part of the medication-assisted treatment for opioid use disorder should not be used to benchmark against dosage thresholds meant for opioids prescribed for pain. Buprenorphine products have no agreed upon morphine equivalency, and as partial opioid agonists, are not expected to be associated with overdose risk in the same dose-dependent manner as doses for full agonist opioids. MME = morphine milligram equivalents. LME = Lorazepam milligram equivalents. MG = dose in milligrams.

PROVIDERS

Total Providers: 0

Name Address City State Zipcode Phone

PHARMACIES

Total Pharmacies: 0

Name Address City State Zipcode Phone

Prescription Drug Monitoring - NarxChek

- Score ranges from 0-999
 - Higher score = greater potential for abuse
 - Last digit = number of active prescriptions

EPCS

Electronic Prescribing of Controlled Substances

Electronic Prescribing of Controlled Substances (EPCS)

- January 2020, many pharmacies will no longer accept paper scripts
 - Walmart Nationally stops on January 1st
- All states allow electronic prescriptions of controlled substances.





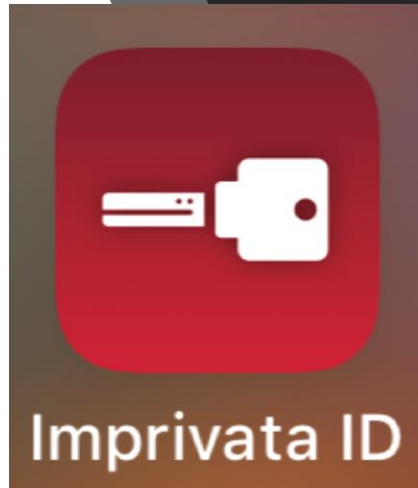
Walmart's Opioid Stewardship Initiative

The health and safety of our patients is a critical priority. Walmart Inc., including Walmart and Sam's Club pharmacies in the United States and Puerto Rico, has taken the following actions in our pharmacies to be part of the solution to our nation's opioid epidemic.

Implement Policies and Tools that Help Pharmacists Spot Fraudulent or Inappropriate Opioid Prescriptions

- Last year, Walmart and Sam's Club made a commitment to move to electronic prescribing (e-prescribing) for controlled substances by 2020. We recognize not all provider networks and prescribers will have the technology and systems in place to accommodate this requirement. We will work collaboratively with prescribers to encourage their use of e-prescribing for controlled substances by 2020, so that patients are not unintentionally negatively affected by this process. E-prescribing has the potential to reduce errors, misuse, abuse and diversion of prescription medications.

BRRH Rollout



- DEA requirement
 - Must be present in person and show ID
 - Dual factor Authentication require
- 9/23/19 registration begins in Medical Library
 - Fingerprint
 - Phone app

Order Reconciliation: Discharge - ZZZPRODFREEZE, NINTHFLOOR

ZZZPRODFREEZE, NINTH... DOB:12/25/78 Age:40 years Dose Wt:100.000 kg (08/13/19) B... Sex:Male MRN:170000427 Attending:CERNER, CERNER
 Allergies: No Known Allergies INPATIENT FIN: 1799900021 [Admit Date: 9/20/2017 1:09:00 PM EDT ... VIP:No] **Loc:Direct Admit: DA04; A**
 CommonWell: Not Enabled

Electronic Prescription Preview

ZZZPRODFREEZE, NINTHFLOOR
 MRN: 170000427 Sex: Male
 Address: 569 THIRD AVE, POMPANO BCH, FL 33061 DOB: 12-25-1978 Home: (954)623-1597

FAHMY, SAMER
 800 Meadows Road, Boca Raton, FL 33486 Phone: (561)955-2570 Fax: (561)955-2572, (561) 955-5151 National Provider Identifier:[1982804555] DEA: FF0445381
 Walmart Pharmacy 3858 — 22100 State Road 7, Boca Raton, FL 334284218 Phone: (561) 226-3158 Fax: (561) 226-3159

Percocet 10 mg-325 mg oral tablet [Schedule 2] [\[Modify\]](#)
 1 tab Oral every 6 hr.Instr:THIS IS A TEST
 #1 tab, Refills:0, DAW:No, Date Written:09-15-2019
 THIS IS A TEST

oxyCODONE 5 mg oral tablet [Schedule 2] [\[Modify\]](#)
 1 tab Oral every 6 hr.Instr:THIS IS A TEST
 #1 tab, Refills:0, DAW:No, Date Written:09-15-2019
 THIS IS A TEST


Discharge
 Status
 Documented
 Discontinue
 Prescribed
 Prescribed
 Prescribe
 Prescribe
 Documented

Confirm your identity - 49959@brch.com - Imprivata Confirm ID

Confirm your identity

imprivata

**** Network password



By completing the two-factor authentication protocol at this time, you are legally signing the prescription(s) and authorizing the transmission of the above information to the pharmacy for dispensing. The two-factor authentication protocol may only be completed by the practitioner whose name and DEA registration number appear above. [Sign](#) [Cancel](#)

Special Instructions: THIS IS A TEST

*Start Date/Time: 09/15/2019 2101 EDT

Requested Refill Date: EDT

Indication:

Type Of Therapy: Acute

0 Missing Required Details All Required Orders Reconciled [Dx Table](#) [Reconcile And Sign](#) [Cancel](#)

Clinical Decision Support

Many Forms



ALERTS



POWERPLANS
(ORDERSETS)



LIMITS



DOCUMENTATION

Clinical Decision Support

the right information

to the right person

in the right intervention format

through the right channel

at the right time in workflow

Cosyntropin Stimulation Test

- Plans
 - Medical
 - Cosyntropin Stimulation Test
 - Phase 1 (Planned Pending)
 - Phase 2 (Planned Pending)**

Cosyntropin Stimulation Test, Phase 1 (Planned Pending)

<ul style="list-style-type: none"> Diet/Nutrition <ul style="list-style-type: none"> <input checked="" type="checkbox"/> NPO at Midnight Diet T;N, No Exceptions Medications <ul style="list-style-type: none"> <input checked="" type="checkbox"/> cosyntropin 0.25 mg, IV Push, Once, Form: Injection, First Dose: t+1:0600 IMPORTANT Protocol Sequencing Laboratory <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cortisol AM Timed Study, t+1:0500, Once

Details for cosyntropin

Order comments

IMPORTANT Protocol Sequencing A) Patient must be fasting until all cortisol levels drawn by for result accuracy|
 B) Baseline Cortisol must be drawn before med administered
 C) Immediately after giving cosyntropin, activate Phase 2 of the PowerPlan so labs are drawn on time

Cosyntropin Stimulation Test, Phase 2 (Planned Pending)

Laboratory			
<input type="checkbox"/>	+ 30 min	<input checked="" type="checkbox"/> Cortisol AM	AM Collect (Inpt Only), T;N, Once
<input checked="" type="checkbox"/>	+ 1 hr	<input checked="" type="checkbox"/> Cortisol AM	AM Collect (Inpt Only), T;N, Once
<input type="checkbox"/>	+ 90 min	<input checked="" type="checkbox"/> Cortisol AM	AM Collect (Inpt Only), T;N, Once
Communication Orders			
Nursing Communication Orders			
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> Nursing Communication	t;n, If patient made NPO only for Cortisol Stimul

Discern Notification (50090INFORM)

Task Edit View Help


Subject	Event Date/Time
Initiate Phase 2 of the Cosyntropin Powerplan	08/27/19 13:37:47

To ensure the accuracy of this test initiate the second phase immediately.

Ready P645 50090INFORM 50090INFORM Tt

C Diff Alerting

Discern: (1 of 1)

 **Clostridium Difficile Testing**

Please document why CDiff is being ordered.

To submit the form after answering, click the green checkmark on the top left hand corner of the powerform.

Alert Action:
 CANCEL ORDER

Algorithm CDiff Form OK

*Performed on: 09/16/2019 1955 EDT By: FAHMY, MD, SAMER

Clostridium Difficile Testing

Has the patient had or is on: laxative/stool softener in the last 48 hours, Hx of Colitis or IBS, on Chemotherapy or TPN? Yes No

If No, proceed with Order.

If yes, please indicate which parameter(s) below. If any of the parameters are yes, reconsider the clinical picture, if appropriate, observe for 24 hours, and consider not testing the patient for C difficile.

Laxative/stool softener in last 48 hours?	Hx of or current colitis?	Hx of or current IBS?	Currently receiving chemotherapy?
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

If yes, consider stopping medication and gauge the clinical response.

If yes, reconsider clinical picture, if appropriate, observe for 24 hours, consider not testing patient.

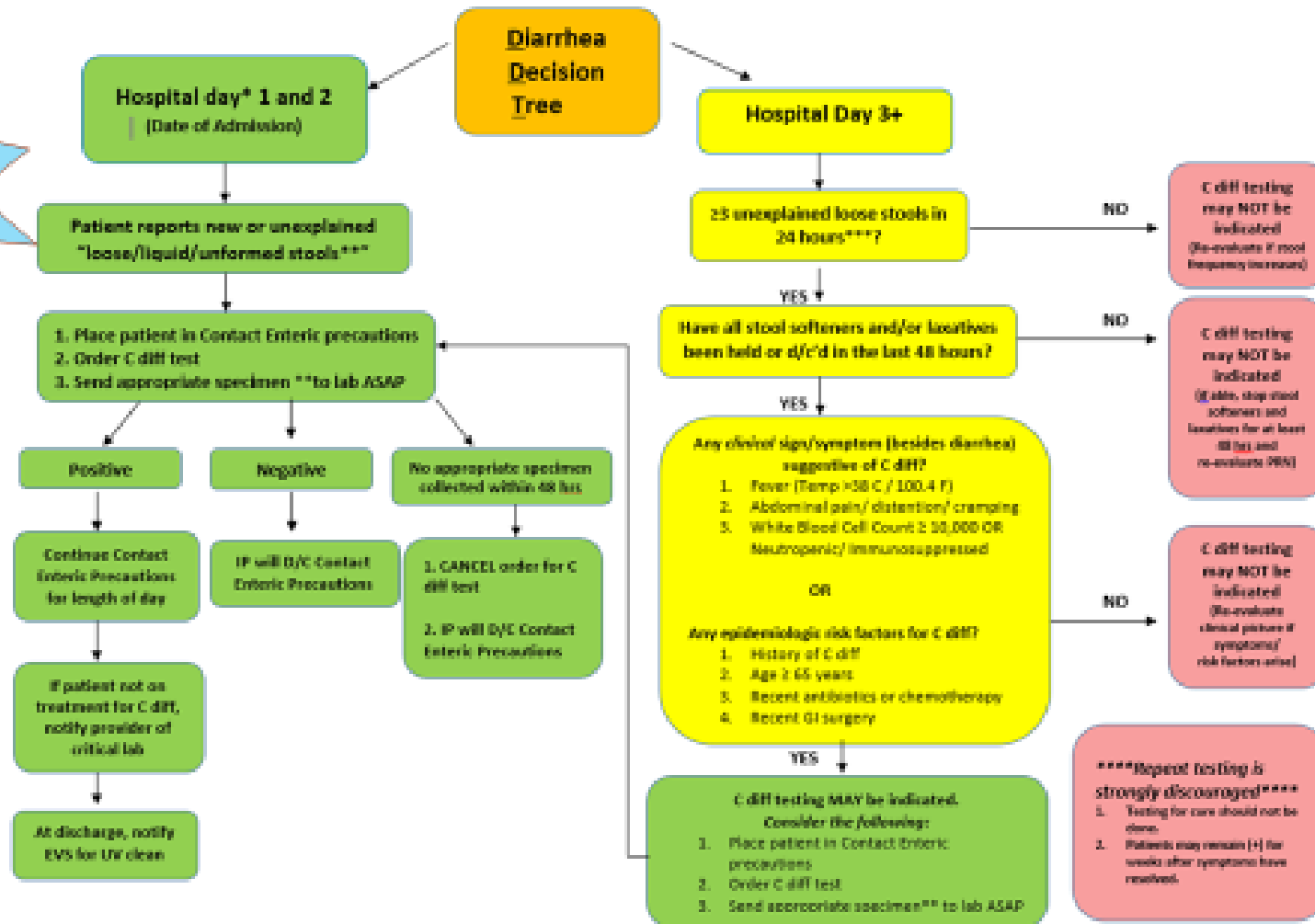
If yes, reconsider clinical picture, if appropriate, observe for 24 hours, consider not testing patient.

Currently receiving Chemotherapy or TPN?

In Progress

Medications	
FIRST EPISODE	
MILD TO MODERATE (WBC <15k and SCr <1.5 mg/dL or <1.5 x baseline if known)	
vancomycin (vancomycin Oral)	125 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
Consider if ileus present	
metroNIDAZOLE	500 mg, IV Piggyback, every 8 hr 10 days, Soln-IV, Administer over: 1, hr, First Dose: t+n-120, Clostridium difficile infection
SEVERE (WBC >/= 15k or SCr >/= 1.5 mg/dL or >/= 1.5 x baseline if known)	
PREFERRED	
vancomycin (vancomycin Oral)	125 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
**Alternative Therapy Requires ID Physician Consult	
**Considerations for fidaxomicin use: age >65, concomitant broad-spectrum antibiotic use, significant immunocompromise	
fidaxomicin	200 mg, Oral, BID 10 days, Tab, Clostridium difficile infection
Consult to Infectious Diseases	
Consider if ileus present	
metroNIDAZOLE	500 mg, IV Piggyback, every 8 hr 10 days, Soln-IV, Administer over: 1, hr, First Dose: t+n-120, Clostridium difficile infection
Fulminant CDI (hypotension, shock, ileus, toxic megacolon)	
vancomycin (vancomycin Oral)	500 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
metroNIDAZOLE	500 mg, IV Piggyback, every 8 hr 10 days, Soln-IV, Administer over: 1, hr, First Dose: t+n-120, Clostridium difficile infection
Consider if ileus Present	
Vancomycin 5 mg/mL Enema 100 mL in Amber Bottle	500 mg, PR, Every 6 Hours (STD) 10 days, Enema
FIRST RECURRENCE	
MILD / MODERATE / SEVERE	
VANCOMYCIN TAPER PREFERRED: See below in the Notes section for taper recommendations	
vancomycin (vancomycin Oral)	125 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
**Alternative Therapy Requires ID Physician Consult	
**Considerations for fidaxomicin use: age >65, concomitant broad-spectrum antibiotic use, significant immunocompromise	
fidaxomicin	200 mg, Oral, BID 10 days, Tab, Clostridium difficile infection
Consult to Infectious Diseases	
Only if metroNIDAZOLE was used for the first episode	
vancomycin (vancomycin Oral)	125 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
Consider if ileus Present	
metroNIDAZOLE	500 mg, IV Piggyback, every 8 hr 10 days, Soln-IV, Administer over: 1, hr, First Dose: t+n-120, Clostridium difficile infection
Fulminant CDI (hypotension, shock, ileus, toxic megacolon)	
vancomycin (vancomycin Oral)	500 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
metroNIDAZOLE	500 mg, IV Piggyback, every 8 hr 10 days, Soln-IV, Administer over: 1, hr, First Dose: t+n-120, Clostridium difficile infection
Consider if ileus Present	
Vancomycin 5 mg/mL Enema 100 mL in Amber Bottle	500 mg, PR, Every 6 Hours (STD) 10 days, Enema
SECOND OR SUBSEQUENT RECURRENCE	
MILD / MODERATE / SEVERE	
VANCOMYCIN TAPER PREFERRED: See below in the Notes section for taper recommendations	
vancomycin (vancomycin Oral)	125 mg, Oral, Every 6 Hours (STD) 10 days, Form: Soln, Clostridium difficile infection
**Alternative Therapy Requires ID Physician Consult	
**Considerations for fidaxomicin use: age >65, concomitant broad-spectrum antibiotic use, significant immunocompromise	
fidaxomicin	200 mg, Oral, BID 10 days, Tab, Clostridium difficile infection
Consult to Infectious Diseases Routine, Unit Clerk to Call Consulting Service	
Consider if ileus Present	
metroNIDAZOLE	500 mg, IV Piggyback, every 8 hr 10 days, Soln-IV, Administer over: 1, hr, First Dose: t+n-120, Clostridium difficile infection
If 4th episode, i.e. 3rd recurrence	
**NOTE: Consider Fecal microbiota transplant (FMT)	
Fulminant CDI (hypotension, shock, ileus, toxic megacolon)	
VANCOMYCIN TAPER PREFERRED: See below in the Notes section for taper recommendations	

Let's look at this one more time!



*Hospital day 1 starts the day the patient arrives on the inpatient unit (Even if they are in observation)

**Loose stool is defined as any stool consistent with Bristol Type 5, 6, or 7

***Rarely (in <1% of cases), a symptomatic patient with C diff will present with ileus and colonic distention with minimal or no diarrhea



CAUTI Reduction

Please document why a Urine Culture is b...

To submit the form after answering, click the corner of the powerform.

Alert Action
 CANCEL ORDER

Urine Culture Reason

Urine Culture Reason For Test

Urine Culture (UA w/ reflex) should NOT be routinely ordered 48 hours AFTER admission UNLESS there is a valid indication.

Valid indications are listed below.


Select an appropriate indication to test or action from the list below:

- Pregnancy
- Fever in neutropenia
- Fever with a kidney transplant
- Fever with known urinary obstruction/indwelling stent
- Fever with a recent urological procedure
- Fever with classic UTI signs: unexplained flank/suprapubic pain, dysuria
- Spinal cord injury with NEW or WORSENING urinary symptoms
- Order culture for another reason not listed (Please enter reason below)

This document

- Urinalysis on admission from ED now reflexes culture
- UA on inpatient powerplans
- Culture alone should be a rare order

Discern: (1 of 1)




Physician not on staff

The physician you are choosing is not currently on staff at Boca Raton Regional Hospital, please select a staff physician as an ordering provider at the communication window.

OK

Discern: (1 of 1)



Urinary Catheter Alternatives

In an effort to reduce catheter associated infections, we ask that you consider using one of these alternatives.

Want to learn more about the female external catheter, click the LITERATURE button below.

Alert Action:

Cancel this order


Continue with current order

Add orders for:

<input type="checkbox"/> Bladder Scan	
<input type="checkbox"/> Straight Catheter	
<input type="checkbox"/> Female External Catheter	
<input type="checkbox"/> Male External Catheter	

Literature OK

Discern: (1 of 1)



Dual Anticoagulant

You are ordering enoxaparin on a patient that already has an active order for Heparin - Pharmacy to Dose, Heparin - Pharmacy to Dose Please confirm if you wish to proceed.

Alert Action:

Cancel current order

Proceed with current order

OK

P Early Administration Warning ✕

vancomycin has been administered within the every 8 hr time frame.
 vancomycin, 2000 mg, 5/28/2019 11:32 AM EDT
 The next administration is available at 5/28/2019 6:17 PM EDT .
 Would you like to continue to administer now?
 Select Not Given to document the administration as not given.

Appropriate Use Criteria

Home | About CMS | Newsroom | Archive | Share Help Print

CMS.gov
Centers for Medicare & Medicaid Services

type search term here Search

Medicare Medicaid/CHIP Medicare-Medicaid Coordination Private Insurance Innovation Center Regulations & Guidance Research, Statistics, Data & Systems Outreach & Education

Home > Medicare > Appropriate Use Criteria Program > Appropriate Use Criteria Program

Appropriate Use Criteria Program

Appropriate Use Criteria Program

[Provider Led Entities](#)

[Data Analysis](#)

[Clinical Decision Support Mechanisms](#)

[Priority Clinical Areas](#)

[Outreach and Education](#)

Appropriate Use Criteria Program

Background

The Protecting Access to Medicare Act (PAMA) of 2014, Section 218(b), established a new program to increase the rate of appropriate advanced diagnostic imaging services provided to Medicare beneficiaries. Examples of such advanced imaging services include:

- computed tomography (CT)
- positron emission tomography (PET)
- nuclear medicine, and
- magnetic resonance imaging (MRI)

Under this program, at the time a practitioner orders an advanced diagnostic imaging service for a Medicare beneficiary, he/she, or clinical staff acting under his/her direction, will be required to consult a qualified Clinical Decision Support Mechanism (CDSM). CDSMs are electronic portals through which appropriate use criteria (AUC) is accessed. The CDSM provides a determination of whether the order adheres to AUC, or if the AUC consulted was not applicable (e.g., no AUC is available to address the patient's clinical condition). A consultation must take place at the time of the order

ing services that will be furnished in one of the below settings and paid for under one of the below payment

by/index.html

TRAINCERTIP, FOURTEEN

Female

25-JAN-1950

69 Years

MRN: 170000110

Cancel MRI Ankle wo Contrast Left

Clinical Decision Support for MRI Ankle wo Contrast Left

Search for a Reason for Exam

Select or Search for a Reason for Exam

- Ankle pain, xray multi-site DJD
- Soft tissue mass, general, ankle xray nondiagnostic

Common Indications (3)

- Ankle pain, xray multi-site DJD
- Bone lesion, ankle, xray indeterminate
- Soft tissue mass, general, ankle xray nondiagnostic

Appropriateness for a 69 Year Old Female

[View Evidence for Exams](#)

— Requested Exam —

MRI Ankle wo Contrast Left

9

\$\$\$\$

Confirm & Order

Cancel Order

— Appropriate Exams —

MRI Ankle w + wo Contrast Left

8

\$\$\$\$

Replace & Order

— Other Related Exams —

US Extremity Nonvascular Limited Left

5

\$\$\$\$

Replace & Order

CT Ankle wo Contrast Left

CANCEL

Pilot group of 125
resident physicians
live since July 8th, 2019

Hospital wide
expansion planned in
October 2019

Includes all payer
types

Includes all patient
admissions (Obs,
Inpatient, Outpatient
in a bed, etc.)

CareSelect
Project

Health Information Exchange

Exchanging Data in Cerner

Direct Exchange

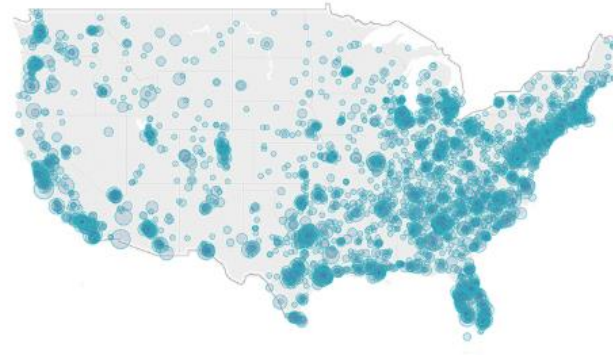
- Technical standard used for exchanging PHI in a trusted Network
- Each provider has a Direct address
 - BRRH address:
BocaRatonRegionalHospital@brrh.cernerdirect.com
 - Can obtain from EHR company
 - “TOC” Transition of Care documents

CommonWell Alliance

- Started 2012 – Dr. Mostashari
- Non profit Health information exchange organization
- Greenway founding member
- 10,000 to 100,000 yearly dues

CareQuality

- Similar to Commonwell
- Epic is a participating provider
- Not yet available at Boca Regional Hospital
 - soon to come



This map illustrates the sites of care supported by current Carequality implementers, once they achieve full rollout.

Carequality Enables Nationwide Care Coordination

600K

Care Providers

40,000

Clinics

1,400

Hospitals

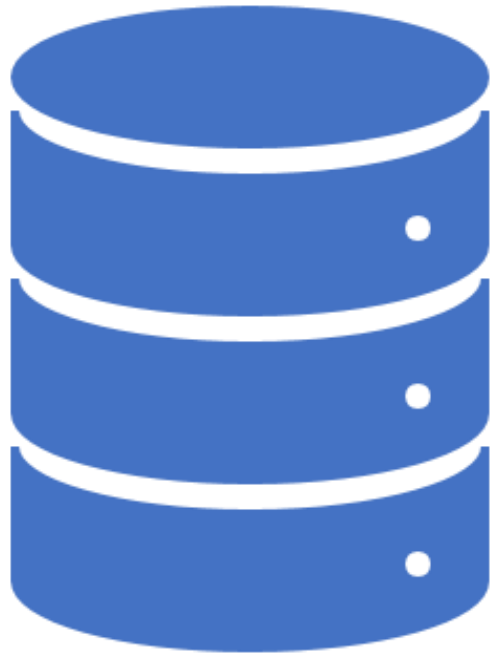
[Learn More](#)

Show 100 entries

DOWNLOAD

Provider Name ^	Category	City	State	Zip Code
Adam Shestack MD	ambulatory	DELRAY BEACH	FL	33445
Alley and Alley Internal Medicine, P.A.	ambulatory	BOCA RATON	FL	33431-6466
Angelica Ramirez MD	ambulatory	BOCA RATON	FL	33486
Boca General and Family Medicine	ambulatory	BOCA RATON	FL	33486
Boca Integrative Health	ambulatory	BOCA RATON	FL	33433
Boca Medical Care	ambulatory	BOCA RATON	FL	33434
Boca Raton Regional Hospital	acute	BOCA RATON	FL	33487
Broward Health Imperial Point	acute	FORT LAUDERDALE	FL	33308-1427
Broward Health North	acute	POMPANO BEACH	FL	33064-3502
Coresmart Inc	ambulatory	BOCA RATON	FL	33486
Dr Mark Scheinberg	ambulatory	DEERFIELD BEACH	FL	33442
Dr. Yoel Vivas	ambulatory	DELRAY BEACH	FL	33484
East Pompano Pediatrics	ambulatory	POMPANO BEACH	FL	33064
FAU Community Health Center	ambulatory	BOCA RATON	FL	33431
FAU Memory Wellness Center	ambulatory	BOCA RATON	FL	33431
FL - Bassett Medical Center - Startup	ambulatory	DELRAY BEACH	FL	33484-6597
FL - Family Medicine Of Boca Raton	ambulatory	BOCA RATON	FL	32477
FL - Medical Consultants of So. Florida	ambulatory	POMPANO BEACH	FL	33067-2063
FL - Pompano Beach Internal Medicine	ambulatory	POMPANO BEACH	FL	33060-6768
Florida Woman Care, LLC	ambulatory	BOCA RATON	FL	33431

GastroCare	ambulatory	POMPANO BEACH	FL	33067
Groene, Linda	ambulatory	FORT LAUDERDALE	FL	33308-1414
HCA - Glades Medical Group	ambulatory	BOCA RATON	FL	33431
HCA - Karin Blumofe, MD	ambulatory	BOCA RATON	FL	33487
HCA - Neil Schultz	ambulatory	POMPANO BEACH	FL	33063
HCA - South Florida Center for Gynecologic Oncology	ambulatory	BOCA RATON	FL	33487
HCA - South Palm Beach Surgical Associates, PL	ambulatory	BOCA RATON	FL	33487
Hillsboro Urgent Care	ambulatory	DEERFIELD BEACH	FL	33442
Levey, David	ambulatory	BOCA RATON	FL	33496-2660
Mark Paris MD	ambulatory	DELRAY BEACH	FL	33483
Metzger Jr, Charles	ambulatory	BOCA RATON	FL	33496-2658
North Broward Radiologist Pa	imaging	POMPANO BEACH	FL	33060
PLATINUM ENT	ambulatory	DELRAY BEACH	FL	33446
Publix Deerfield Beach Associate Health Center	ambulatory	DEERFIELD BEACH	FL	33442
Scott D Beede	ambulatory	BOCA RATON	FL	33428
Silverman, Joel	ambulatory	BOCA RATON	FL	33433-3455
South Florida Allergy and Asthma Spec	ambulatory	BOCA RATON	FL	33486
South Palm Cardiovascular Associates, LLC	ambulatory	DELRAY BEACH	FL	33446
Sunshine State Womens Care, LLC	ambulatory	BOCA RATON	FL	33431
Tenet Physician Resources-FL	ambulatory	FORT LAUDERDALE	FL	31895



Data Exchange

- Follows CCD architecture
- PAMI – Discrete Data
 - Problems, Allergies, Meds, Immunization
- No physician documentation

Sex:Female MRN:100000330 Attending:
2 [Admit Date: 4/23/2019 10:36:00 AM EDT Disch Dt: 4/26/2019 12:36:00 PM EDT] Loc: 5...VIP:No
Consent:Not on File **Loc:5th Floor**
Outside Documents: (3) ...

Full screen Print 0 minutes



Menu Provider View

- Results Review
- Orders + Add
- Documentation + Add
- Allergies + Add
- Clinical Media + Add
- Diagnoses and Problems
- Form Browser
- Growth Chart
- Histories
- MAR Summary
- Medication List + Add
- Interactive View and I&O
- Notes
- Patient Information
- Facesheets
- MAR
- Lines/Tubes/Drains Summary 2
- Plan of Care Summary
- Chart Search

Inpatient Workflow x Quick Orders x Discharge x Calculators x Demographics x Outside Records x New View x +

Select a View

- Calculators
- Demographics
- Discharge
- Inpatient Summary
- Inpatient Workflow
- Outside Records
- Quick Orders

Histories

All Visits

- ◆ Problems
- ◆ Procedure
- Family
- Social
- Pregnancy

◆ You are viewing unverified data from outside sources. Clinical Decision Support is not available. [Return to Review](#)

Last 6 months Last 12 months Last 2 years Lifetime

Name	Mismatches Identified	Source	Last Modified...	Actions
▼ Unverified Data from Outside Sources				
Bronchitis (disorder) ◆	New chronic problem found		MAY 09, 2019	<input type="button" value="Add"/> <input type="button" value="Discard"/>
Cough headache syndrome (finding) ◆	New chronic problem found	Hospital		<input type="button" value="Add"/> <input type="button" value="Discard"/>
▼ Verified Local Record Data (6)				
Acute heart failure	--	Medical	Local Record	--
Acute myocardial infarction of anterior wall	--	Medical	Local Record	--
Angina pectoris	--	Medical	Local Record	--
Backache	--	Medical	Local Record	JUN 20, 2019
Diarrhea	--	Medical	Local Record	JUN 10, 2019
Nausea and vomiting	--	Medical	Local Record	JUN 10, 2019

"Purple" Diamonds identify newly imported data

Follow Steps 7-9 for the below sections:


Histories
Allergies
Home Medications

After discussing appropriateness of data choose add / discard

VERY IMPORTANT:

Don't forget to click Complete Reconciliation

Reconciliation Status: **Incomplete**

A person's hands are visible at the top, holding a white sign that reads "Overload!!" in black cursive. Below the sign is a large, overflowing pile of crumpled white paper, suggesting a massive amount of information or data. The background is dark and slightly blurred.

Overload!!

Information Overload

- Nurses went live for 2 weeks
- Turned off reconciliation
- Still receiving records

Discharge Summary (1/3) 2019-08-21 02:45:44 PM -0400

Boca Raton Regional Hospital
BAPTIST HEALTH SYSTEM FLORIDA

FAX COVER SHEET

From: BOCA RATON REGIONAL HOSPITAL	To: [REDACTED]
Department:	Company:
Telephone No:	Telephone No: [REDACTED]
Fax No:	Fax No: [REDACTED]

MESSAGE

Discharge summary; Patient Name [REDACTED]

Number of pages including cover sheet: Page 1 of 3

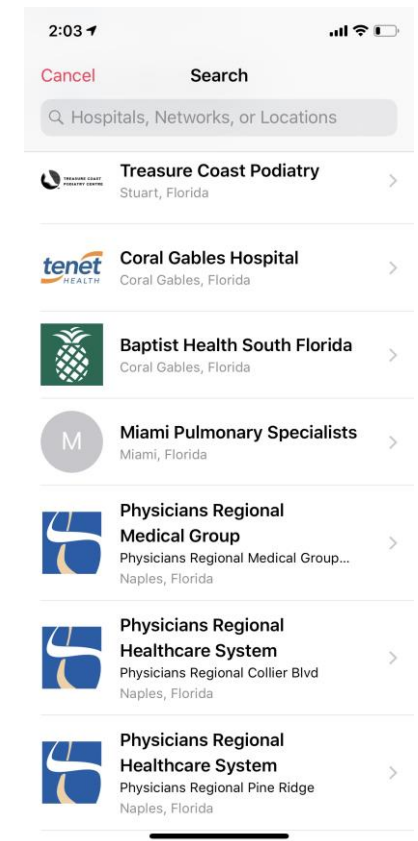
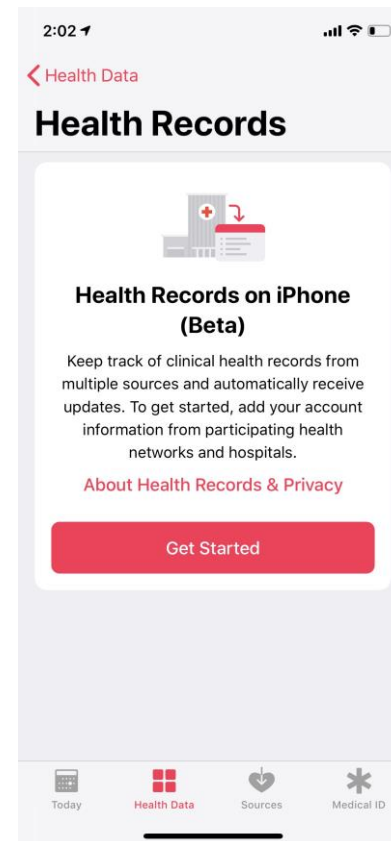
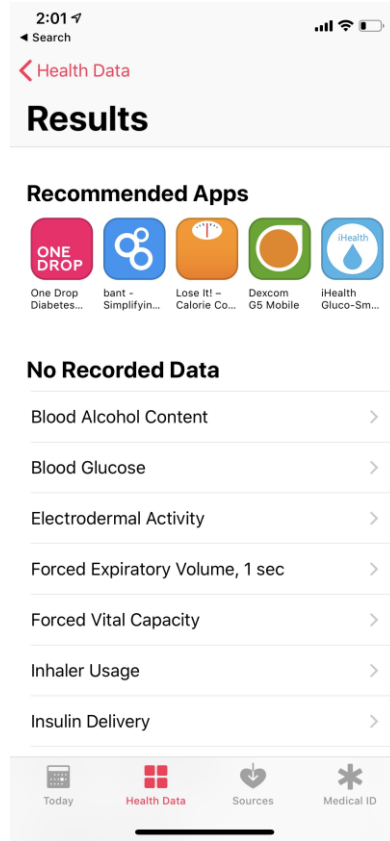
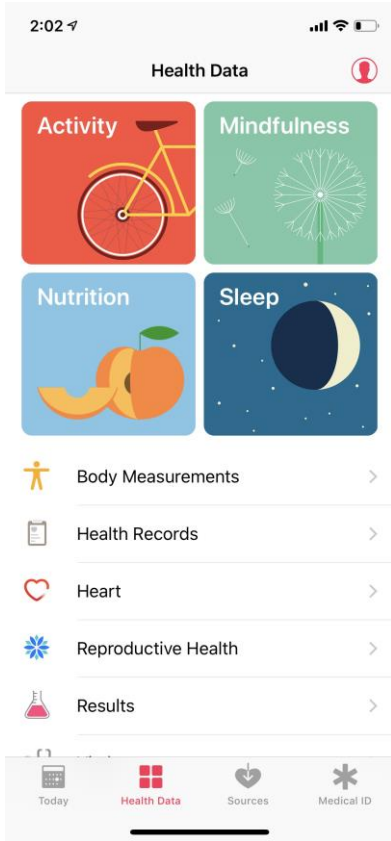
This message is intended only for the individual named, or only to whom, it is addressed and may contain information that is privileged, confidential and exempt under applicable law. If the reader of this message is not the intended recipient of the communication, distribution, or copying of the communication is prohibited. If you have received this communication in error, please notify us immediately by telephone to 561-996-3344-4222. Thank you.

800 Meadows Road
Boca Raton, FL 33408

Page 1 of 3

Hospital to PCP communication

- July 1st 2019, **HB 843** mandates:
 - Patients have the right to request their outpatient specialist and consultants on their case while hospitalized
 - Formal or informal with documentation in the medical record
 - Hospitals must notify PCP of admission and discharge within 24 hours
 - Hospitals must send DC summary to PCP post discharge



Apple Health

Tips and Tricks

Avoiding Common Errors

VTE Alert

Cerner

VTE Assessment

Pharmacological and mechanical VTE prophylaxis must be ordered.
Please Navigate to orders tab and place orders for pharmacological and mechanical
-OR-
Click CONTRA to document contraindications for each

*Performed on: 09/14/2019 1109 EDT By: FAHMY, MD, SAMER

Reason VTE Prophylaxis Not Received

Reason Pharmacological VTE Prophylaxis Not Received

- Patient low risk for VTE
- Patient/Family refusal
- Risk of bleeding
- Thrombocytopenia
- Blood coagulation disorder
- Anticoagulant allergy
- Patient is on anticoagulation/ or antithrombotic therapy prior to admission
- Patient is on anticoagulation therapy
- Patient is on antithrombotic and is at risk for bleeding
- VTE prophylaxis deferred to admitting/covering physician/surgeon

Reason Mechanical VTE Prophylaxis Not Applied

- Medical reason
- Patient low risk for VTE
- Patient/Family refusal

What mechanical device did the patient / family refuse?

- Graduated compression stockings
- Intermittent pneumatic compression devices
- Venous foot pumps (VFP)

In Progress

Quality forms

The screenshot shows a 'Provider View' window with a sidebar menu on the left and a main content area. The sidebar menu includes options like 'Results Review', 'Orders', 'Documentation', 'Allergies', 'Clinical Media', 'Diagnoses and Problems', 'Form Browser', 'Growth Chart', 'Histories', 'MAR Summary', 'Medication List', 'Interactive View and I&O', 'Notes', 'Patient Information', 'Faxesheets', 'MAR', 'Lines/Tubes/Drains Summary 2', 'Plan of Care Summary', and 'Chart Search'. The main content area is titled 'Quality Measures(9)' and has a filter set to 'All'. It lists several quality measures, each with a status indicator (e.g., 'Incomplete (5)', 'Complete (4)') and a list of associated documents or orders. The measures include 'STK Thrombolytic Therapy within 3 hrs of LKW', 'STK Antithrombotic by End of Hospital Day 2', 'STK Antithrombotic at Discharge', 'STK Statin at Discharge', and 'IMM Influenza Immunization'.

*Performed on: 09/14/2019 1105 EDT

Stroke Symptoms

Stroke Symptom Details

Stroke Symptom Onset

Witnessed
 Estimated
 Unknown

Date and Time the Patient was Last Known Well or at Their Baseline State of Health: 09/15/2019 1105

Stroke Onset Comment

*Performed on: 09/14/2019 1106 EDT By: FAHMY, MD, SAMER

Statin Medication

Statin Contraindication

Reason for Not Prescribing a Statin Medication at Discharge

Medical reason
 Patient/Family refusal
 Other:

Medical Reason Details

If reasons are not mentioned in the context of statin medications, do not make inferences.

Use Other for alternate reasons specifically documented by a physician/APN/PA or pharmacist that statin medication at discharge was not required. Patient/family refusal may be documented by a nurse.

In Progress

Tapering

Search: Contains Advanced Options Type:

Up Home Favorites Folders Copy Folder: Search within: All

predniSONE

Start

*Dose	*Unit	*Route	*Frequency	*Start
60	mg	Oral	Daily	09/14/2019 11:01 America/New_York

Taper details

Reduce by 10 mg every 3 days

*Final dose 5 mg

Stop final dose after 3 days
 Continue until instructed to stop

Calculate Steps

Planned regimen

Dose	Unit	Route	Frequency	Start	Last Dose	Doses
60	mg	Oral	Daily	9/14/2019 11:01 America/New_York	9/16/2019 10:00 America/New_York	3 Dose(s)
50	mg	Oral	Daily	9/17/2019 10:00 America/New_York	9/19/2019 10:00 America/New_York	3 Dose(s)
40	mg	Oral	Daily	9/20/2019 10:00 America/New_York	9/22/2019 10:00 America/New_York	3 Dose(s)
30	mg	Oral	Daily	9/23/2019 10:00 America/New_York	9/25/2019 10:00 America/New_York	3 Dose(s)
20	mg	Oral	Daily	9/26/2019 10:00 America/New_York	9/28/2019 10:00 America/New_York	3 Dose(s)
10	mg	Oral	Daily	9/29/2019 10:00 America/New_York	10/1/2019 10:00 America/New_York	3 Dose(s)
5	mg	Oral	Daily	10/2/2019 10:00 America/New_York	10/4/2019 10:00 America/New_York	3 Dose(s)

Details for predniSONE

Details Order Comments Diagnoses

*Dose: 60
*Frequency: Daily
PRN reason:
Duration unit:
Stop Date/Time: **/**/****
Use Patient Supply: Yes No

Review Schedule Remaining Administrations: 3 Stop: 10/05/19 09:59:00 EDT

*Dose: 5
*Dose Unit: mg
*Route of administration: Oral
*Frequency: Daily
Duration: 3
Duration unit: days
Drug Form: Tab
First Dose Date/Time: 10/02/19 10:00 EDT

Add To Favorites OK Cancel

Review Schedule

Details for metoprolol (Metoprolol Tartrate)

Details | Order Comments | Diagnoses

*Dose: 50

*Frequency: BID

PRN reason: BID

Duration unit: BID Mo/Tu/We/Th/Fr

Stop Date/Time: BID MWF

Use Patient Supply: BID Sa/Su

BID w/Meals

BID(AC)

BID(PC)

Daily

Daily (after breakfast)

Daily (after dinner)

Daily (after lunch)

0 Missing Required Details | Dx Table | Orders For Cosignature

Review Schedule Remaining Administrations: (Unknown) Stop: (Unknown)

*Route of administration: Oral

PRN Only (Not scheduled): Yes No

Duration:

*First Dose Date/Time: 09/16/19 00:30 EDT

Infuse over unit:

First Dose Date/Time (First Administration):

09/16/2019 0030 EDT

Next administration:

09/16/2019 1000 EDT Skip administration

Following administration:

09/16/2019 1600 EDT

Review Schedule Remaining Administrations: (Unknown) Stop: (Unknown)

Oral

Yes No

09/15/19 22:00 EDT

Sign

Communication Orders

- Bypasses all safety checks in the EHR
- Medications, labs, blood products, radiology CANNOT be ordered
- Pharmacy Consult order available
- Lab Message

Provision of Care - Management Form - 12729

[Add Follow-up](#)

Table of Contents

- Provision of Care
- When and Where Event Occ...
- Person Affected Details
- Parties Involved / Notified / W...
- Attachments
- ...

File Notifications

- Linked Files (0)
- Alerts (5)
- Tasks (1)
- Summaries
- Audits
- File Exports

General information about the provision of care event

Specific Event Type *

Type of Person Affected *

Severity Level (Reported) *

Injury Incurred? *

Equipment Involved/Malfunctioned? *

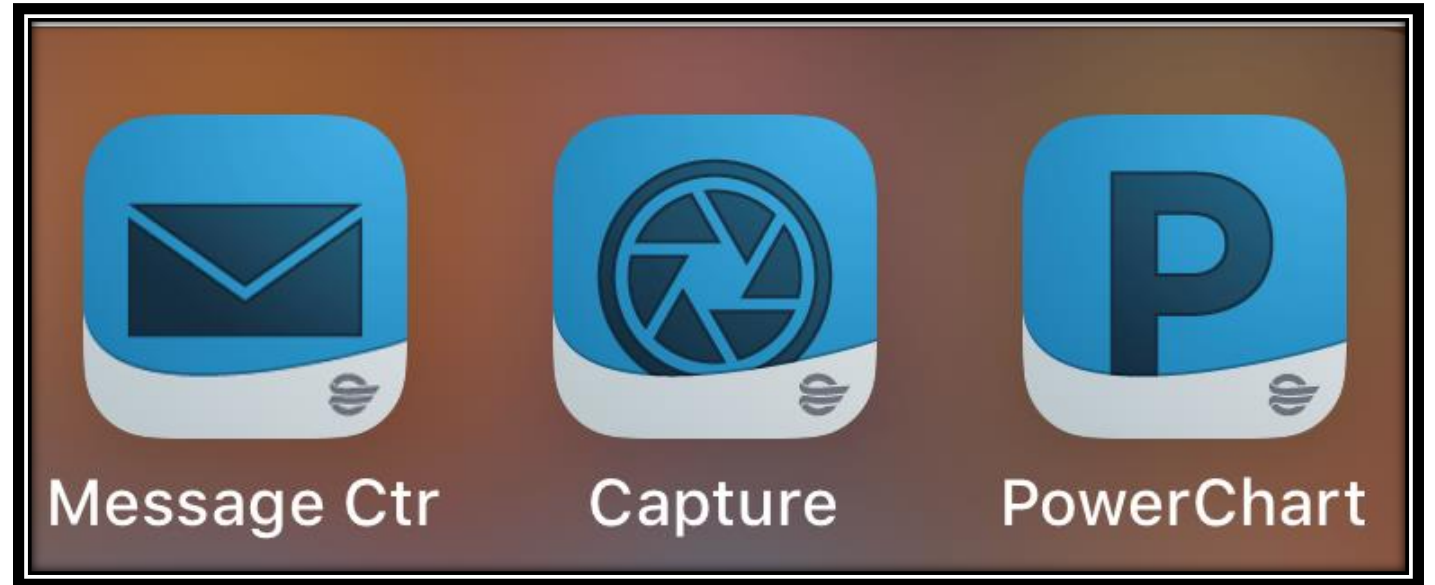
On Sept. 7, 2019 Dr. [REDACTED] placed an order for lab tests to be drawn in the communication section of MD orders. These orders were missed by the nurse and the lab and were not drawn.

Brief Factual Description *

Mobile Apps

-
- PC Touch
 - Camera Capture
 - Message center

- Email me for Code if interested
- sfahmy@brrh.com



Secure Messaging

CMS Statement

DEPARTMENT OF HEALTH & HUMAN SERVICES
Centers for Medicare & Medicaid Services
7500 Security Boulevard, Mail Stop C2-21-16
Baltimore, Maryland 21244-1850



Center for Clinical Standards and Quality/Survey & Certification Group

Ref: S&C 18-10-ALL

DATE: December 28, 2017

TO: State Survey Agency Directors

FROM: Director
Survey and Certification Group

SUBJECT: Texting of Patient Information among Healthcare Providers

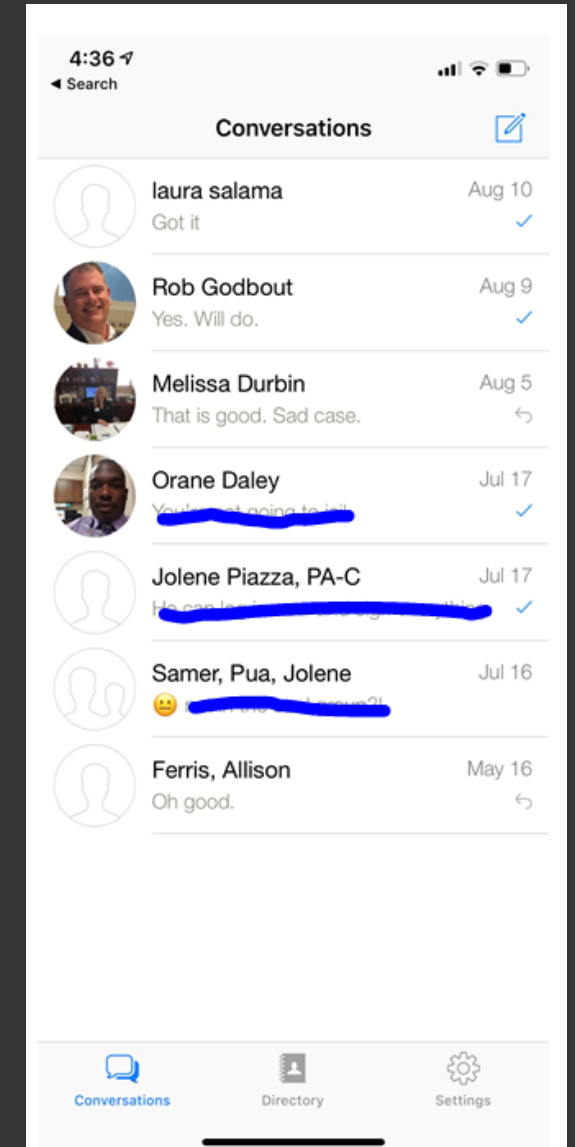
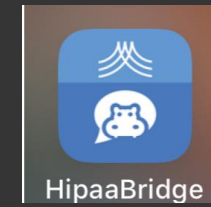
Memorandum Summary

- **Texting patient information** among members of the health care team is permissible if accomplished through a secure platform.
- **Texting of patient orders** is prohibited regardless of the platform utilized.
- **Computerized Provider Order Entry (CPOE)** is the preferred method of order entry by a provider.

CMS recognizes that the use of texting as a means of communication with other members of the healthcare team has become an essential and valuable means of communication among the team members. In order to be compliant with the CoPs or CfCs, all providers must utilize and maintain systems/platforms that are secure, encrypted, and minimize the risks to patient privacy and confidentiality as per HIPAA regulations and the CoPs or CfCs. It is expected that providers/organizations will implement procedures/processes that routinely assess the security and integrity of the texting systems/platforms that are being utilized, in order to avoid negative outcomes that could compromise the care of patients.

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Questions