# Actionable Strategies for Optimizing Efficiencies and Profitability in OR

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### Disclaimer

Vladimir Radivojevic does not receive any payments, benefits, nor has any financial interest in HealthNautica

# Lecture Objectives

1. Genesis for the presentation today

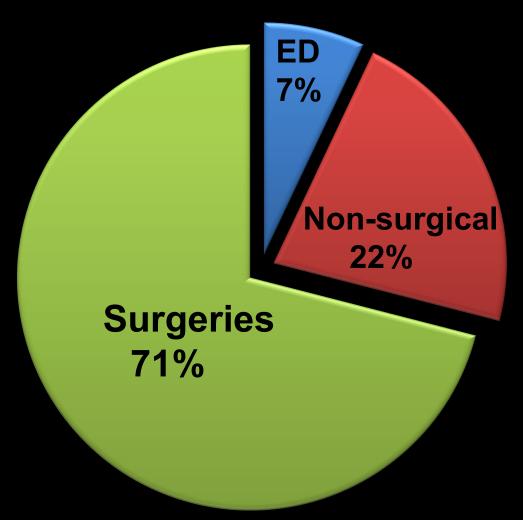
2. Identify the primary reasons for the problems faced

3. Look at the industry metrics and KPIs for measurement

4. Explore actionable strategies and a path based upon experience for success

# Surgeries are the life blood for Hospitals





### Fax forms and Phone calls - Inefficient, cumbersome, error-prone

FROM .	(C)OT 5 2011 12:29/ST. 12:29/No. 60129 A P 1						
Revised - 10-5-11	Co Surgeon						
Surgery Date/Time Requested: Rescheduled from (date):  2 <sup>m</sup> Choice: Surgery Date/Time: Physician responsible for the Company of the Altendia	Surgeon Name:  DQ URbanos My De Horbanak H & P: Attending Physician (First & Last Name): Attending for procedure						
	Patient's First Name:						
Patient's Home Number:   Patient's Allernate Number:	Cellular Number: Pager Number:						
SS# of Patient: Date of Birth: 2-16-19 Check Patient Type LJ Outpatient Local (No Anesthesia)	900 Insurance Name: Public Aid Check one: Day Surgery Karly Admit						
	C-Arm: X-Ray Tech: SSEP: XNo MEP: XNo OYes XNo						
Consideration of Newford	nitors Duping Long, radius Plates						
	Sugan Product Edgy with the Art of Parties and The State of the State						
I have grast with trocorti	Bone grast with trocoxtical and Bomp components						
Tutra of Cultures 1 Histo patholismosis: Right Radius non	dogy cell count and differential of						
Allergies: Penccillin	38%						
Type of Anesthesia: BOX MUST BE MARKED  General MAC Local L. Regional Block  Block Type: Axillar Bpidaral Spinal  Other	Antibiotics: BOXMUST BE MARKED  ANY ALLERGIES TO PENICULIN OR CEPTULOSPORINS- CONTACT PHYSICIAN  Elective Adult Pre-Operative Surgical Antibiotic Prophylaxis  Quidelines to be administered (+10 acx vn+()						
Blood: (specify number of units as applicable):  Type/Screen Type/Cross PRBC Units	Alternative antibiotic prophylaxis: specify drug/dose/route/time						
AutologousUnits	\$ 5 S						
Description Packs Cell Saver - Ortho Pat OB Offices: Type/RH for missed abortion	Venous Thromboembolism Prophylaxis:  Box must be marked/time specified  Apply SCDs  Apply thigh-high TEDs						
Additional Physician Orders:	☐ Apply SCDs ☐ Apply thigh-high TEDs ☐ Enoxaparin (Lovenox) 40 mg Subq at ☐ Heparin 5000 Units Subq at						
	No additional VTE prophylaxis  Other: List in "Additional physician order "box						
Date of Request:	r's Stadature) Date/Time: 11 2:15 pm						
Confirmed by:Scheduler/ Date Scheduled on:	Date / Scheduler Reviewed: PST RN / Date						
Hospital  RE-SURGERY ORDERS/SCHEDULING FORM Surgery Scheduling Office Phone # Surgery Scheduling Fax #	Patient Label						
STRAINE CORN HOUSE HOUSE WHILE RELITIONS.							

### Revenue Cycle

No enforcement of CMS Compliance at the earliest point

No enforcement of Commercial Payer Compliance at the earliest point

No enforcement of Hospital Business Rules at the earliest point

### No Coordination of Care

Hospital

Vendor Rep(s)

Surgeon(s)

PCP



Patient

Specialists

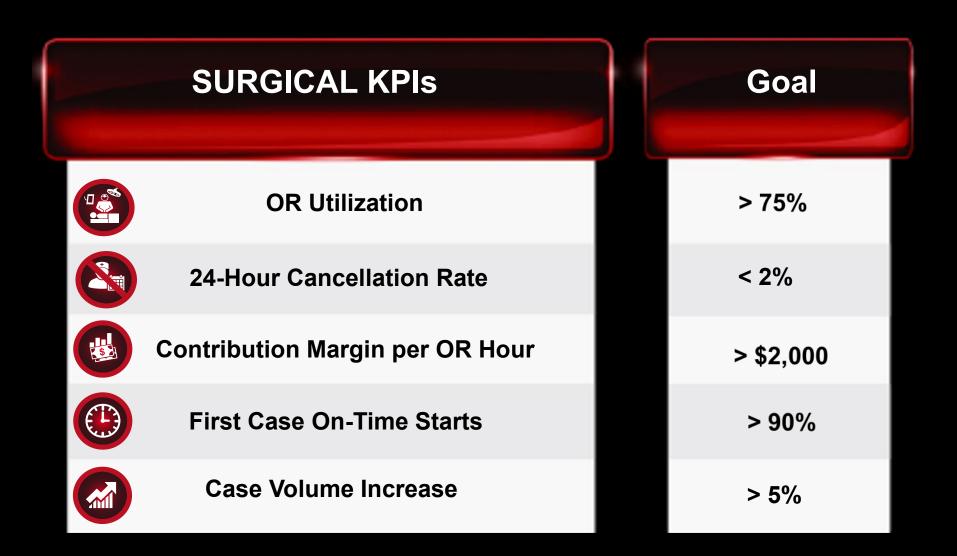
### Problems Facing Hospitals in Surgical Services

Lack of robust Patient Engagement

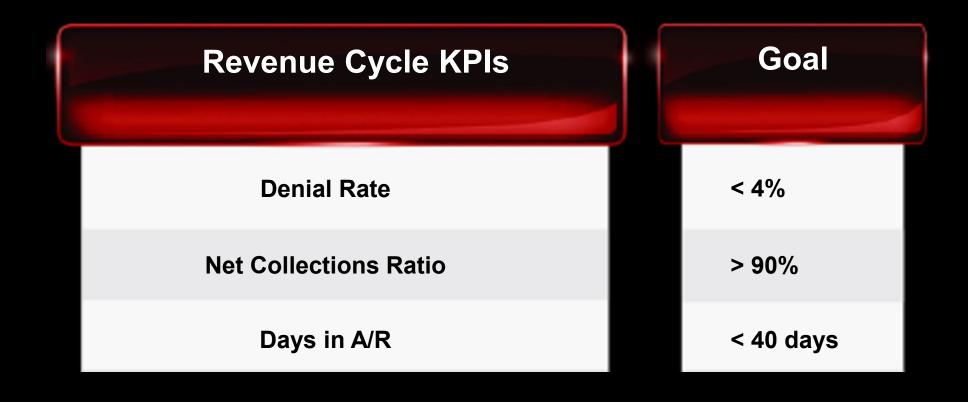
Lack of Technology for Staff

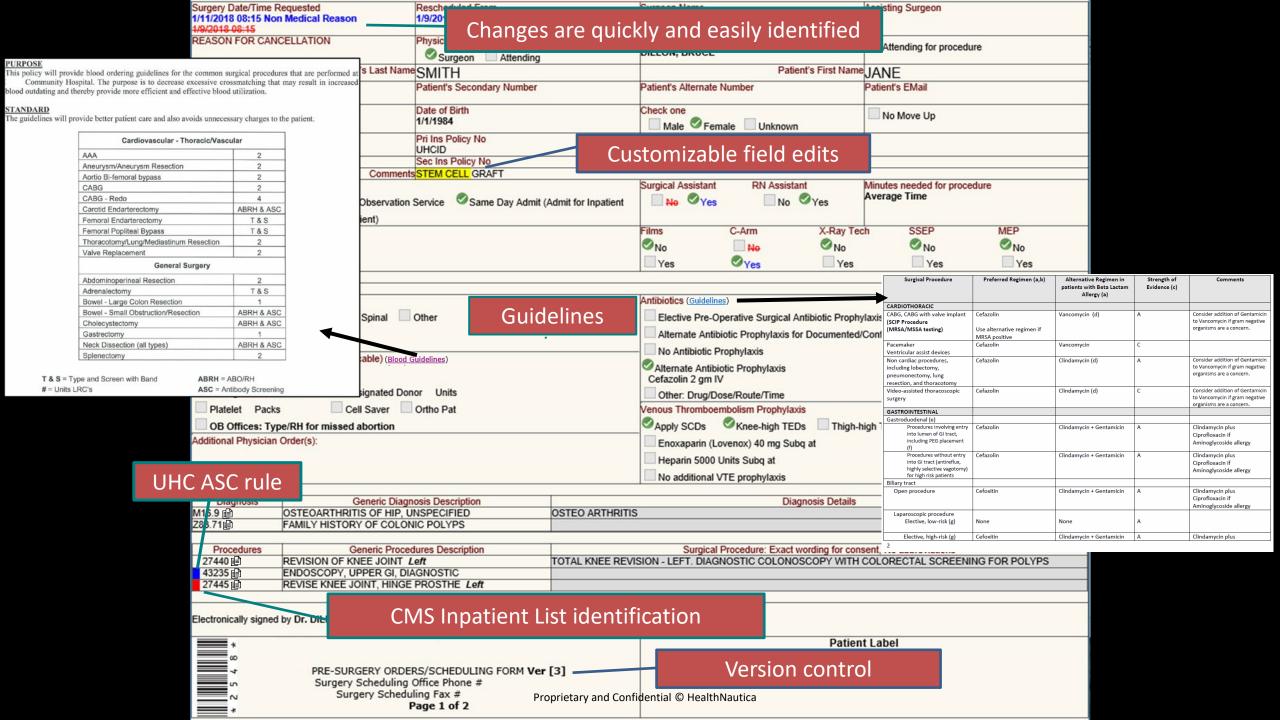
Lack of user friendly tools for Physicians

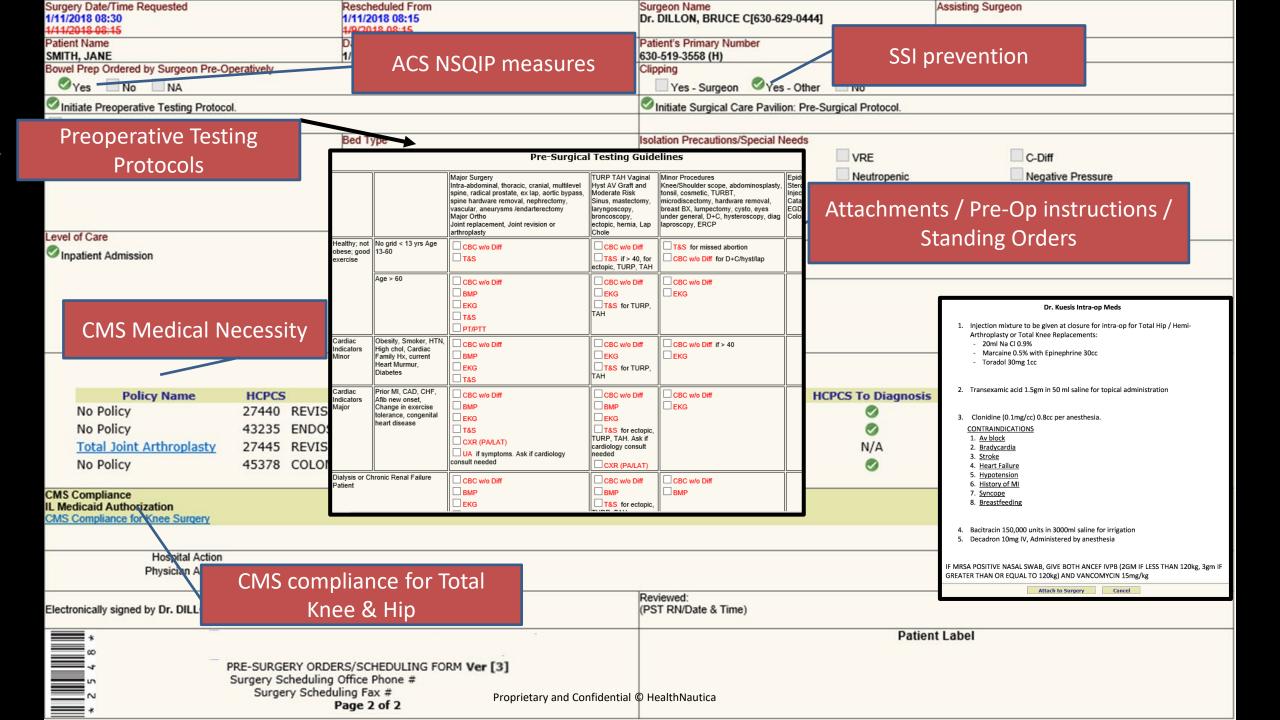
# **OR Key Performance Indicators**

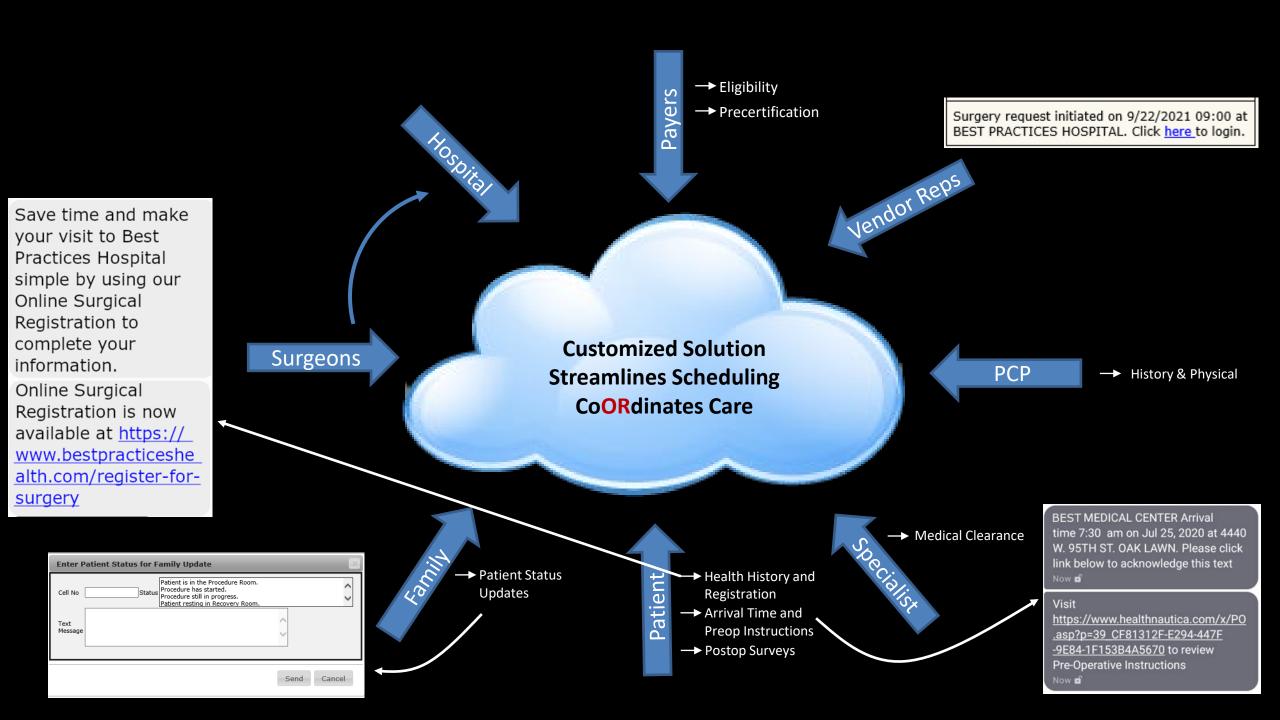


# Revenue Cycle Key Performance Indicators









### Revenue Cycle

**Compliance Eliminates Case Denials** 

Compliance Eliminates Case Payment Reductions

- CMS Inpatient List and Level of Care compliance
- CMS Prior Authorization Rules
- CMS RAC audit compliance
- CMS Medical Necessity
- CMS First Assist Rules

- Automatic and Timely Prior Authorization Initiation
- Automatic Verification of Insurance Eligibility
- UHC rules related to ASC vs. Hospital
- Detect and handle
   Out-of-Network payers

### Patient Engagement

From pre-operative onset
Through post-operative discharge
To improve a patient's experience, safety and quality of care.



¥ # .al 82% ■ 11:17 AM







Tuesday, October 31, 2017



Online Surgical Registration through computer only is now available at <a href="https://www.bph.com/register-for-surgery">https://www.bph.com/register-for-surgery</a>

7:00 AM

#### **Schedule Appointment**

Best Practices Hospital

#### Testing Location

4440 W 95th St. Oak Lawn, IL 60453

#### Select Appointment Date and Time

Jul 2020

#### THURSDAY JULY 16, 2020

3 Available

#### FRIDAY JULY 17, 2020

1 Available

#### MONDAY JULY 20, 2020

11 Available

#### TUESDAY JULY 21, 2020

12 Available

#### WEDNESDAY JULY 22, 2020

10 Available

#### **Schedule Appointment**

Best Practices Hospital

#### Testing Location

4440 W 95th St. Oak Lawn, IL 60453

#### Select Appointment Date and Time

Jul 2020

#### THURSDAY JULY 30, 2020

23 Available

>

© 8:00 AM

© 8:15 AM

© 8:30 AM

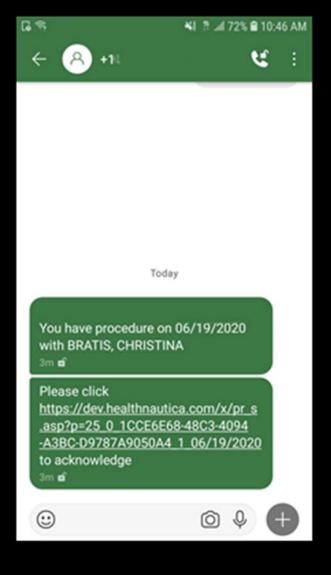
© 8:45 AM

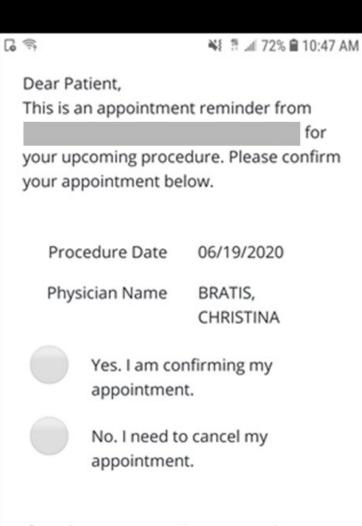












If you have any questions or need to change your original response above, please call us at \_\_\_\_\_\_. Thank you.

**SUBMIT** 

BEST MEDICAL CENTER Arrival time 7:30 am on Jul 25, 2020 at 4440 W. 95TH ST. OAK LAWN. Please click link below to acknowledge this text

#### Visit

https://www.healthnautica.com/x/PO .asp?p=39 CF81312F-E294-447F -9E84-1F153B4A5670 to review Pre-Operative Instructions













#### Instructions for Day Surgery & Early Admit Cases - Surgical Care Pavilion

You can **park in Lot A**. You will be entering the hospital on the ground floor. Please check in at the first floor main lobby desk. One family member/support person can accompany you during the admit process. Once the patient is ready for surgery, the family will be escorted to the surgical family reception area.

#### Note:

- · Both parents allowed with your child.
- Complimentary valet parking is available after 7:30 am.

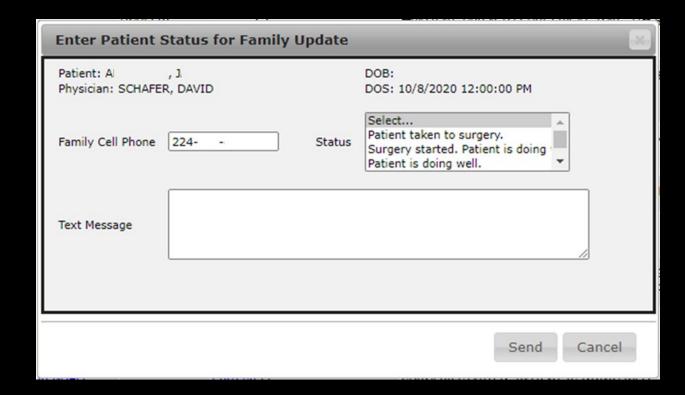
#### All Adults and Children over 8 years old:

Nothing to eat or drink after midnight.
 This includes no gum or hard candy.
 However, if your arrival time is after









PATIENT TAKEN TO SURGERY AT 7;35 - Oct 8 2020 7:37AM, SURGERY IS IN PROGRESS. PATIENT IS DOING WELL. - Oct 8 2020 8:28AM, SURGERY IS STILL IN PROGRESS. PATIENT IS DOING WELL. -Oct 8 2020 9:14AM, SURGERY IS COMPLETE - Oct 8 2020 9:37AM, Texted To:224



Thank you for choosing Best Practices Hospital. If there is anything we could have done to improve your experience, please call us at <u>847-299-2273</u>. Thank you

Now 🕤









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Thank you for choosing Improvement Program (ACS N	Hospital for your surgery on 5/28/2020 by Dr. R Hospital and Dr. RAHUL GOKHALE are members of the American Colleg ISQIP). Your health and feedback are important to us. Please answer the que	ge of Surgeons National Surgical Quality
Within 30 days after your su provider?*	irgery, were you examined by your surgeon/team or other healthcare	○ Yes ® No
After your surgery did you e Emergency Room? *	experience any health problems, need to be hospitalized, or go to an	○ Yes ® No
Within 30 days after your su	rgery did you have another operation?*	○ Yes ® No
Within 30 days after your surgery did you have any problems with your incision(s)?*		○ Yes   No
Within 30 days after your surgery did you have any problems with your lungs?*		○ Yes ® No
Within 30 days after your surgery did you have any problems with your heart?*		○ Yes ® No
Within 30 days after your surgery did you have any bladder or kidney problems?*		○ Yes ® No
Within 30 days after your surgery did you have any infections?*		○ Yes ® No
Within 30 days after your surgery did you have a blood clot in your legs or lungs?*		○ Yes ® No
Is there anything else you would like to tell us about your health or surgical experience?*		Yes ○ No

We appreciate you taking time to respond to our request. If you would like to speak with us about your response to the above questions, we can be reached at 630-

Submit



### **Customizable Patient Consent**



TEST, PRM RG / 01/01/1985

#### CONSENT FOR SURGERY, ANESTHESIA AND OTHER MEDICAL PROCEDURES

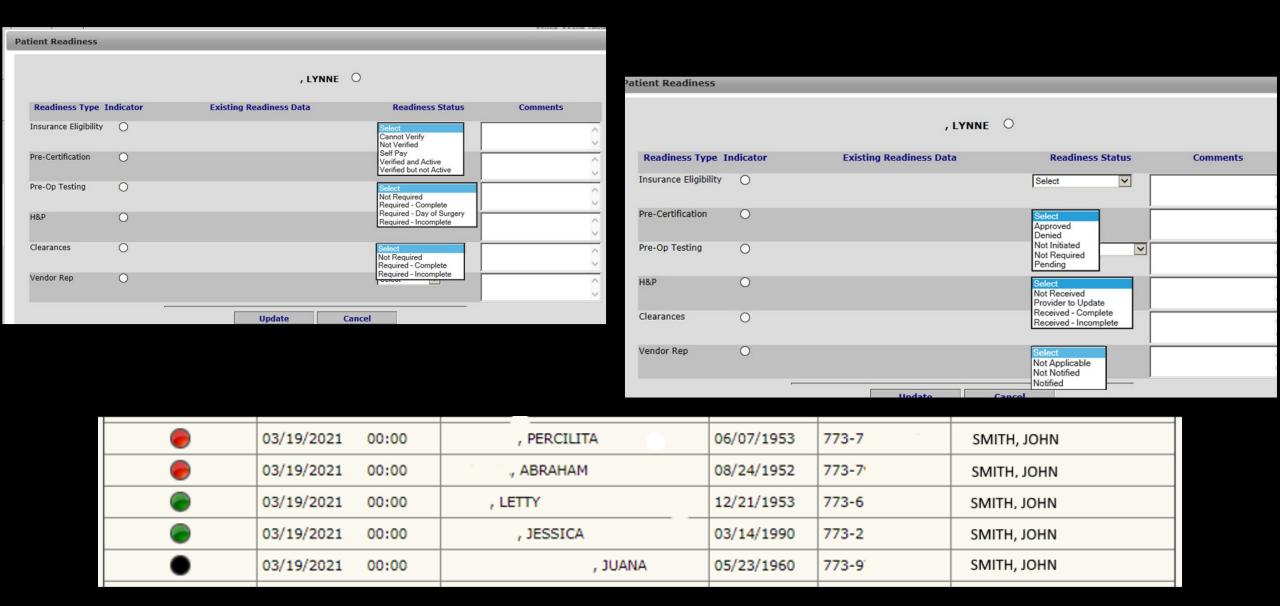
- 1. I consent to the performance upon PRM\_RG TEST the following surgery/procedure or other medical treatment: TOTAL KNEE REPLACEMENT OF THE LEFT KNEE
- 2. I understand that this surgery/procedure or other medical treatment is to be performed by: Dr(s). CHRISTINA BRATIS, and such assistants and associates as may be selected by him/her and by AMITA Health Saints Mary and Elizabeth Medical Center.
- 3. I understand that all practitioners who perform a surgery/procedure on me or provide treatment to me are INDEPENDENT PRACTITIONERS and not employees or agents of AMIT A Health Saints Mary and Elizabeth Medical Center, except for those practitioners who clearly and explicitly identify themselves as facility employees by wearing an identification badge with the facility name. I understand that each practitioner is solely and exclusively responsible for the exercise of his/her own medical judgement.

  Patient or legal representative's signature:
- 4. 4. I understand that during the course of the surgery/procedure or treatment, the medical practitioner named in paragraph two (2) or his/her associates may consider it necessary or advisable to perform procedures or to render treatment in addition to that named in paragraph 1 because of conditions which may not be foreseeable. I therefore consent to the performance of such additional surgery/procedures or treatments as are deemed necessary or advisable by the practitioner or his/her associates.
- 5. The following has been explained to me. The nature and purpose of the surgery, treatment or procedure and the reasonable: (1) alternatives to the proposed surgery, treatment, or procedure; (2) likelihood of achieving the care, treatment and service goals; (3) anticipated potential benefits. relevant and material risks, or side effects. including relevant potential problems related to recuperation; (4) relevant material risks, benefits, and side effects related to alternatives, including the possible results of not receiving the surgery, treatment, or procedure.
- 6. I consent to the administration of such anesthetics as may be considered necessary or advisable by the person authorized to administer anesthesia. (Cross out if no anesthesia to be used. If anesthetics are to be used, affirmation of anesthesiology practitioner is required.)
- 7. I consent for tissues or parts of my body removed at surgery, body fluids, x-ray films, and other materials, as well as medical information concerning me to be used in research studies, in publication of research results, and in teaching. I understand that every effort will be made to protect my identity.
- 8. I consent to the disposal by authorities or agents of AMITA Health Saints Mary and Elizabeth Medical Center of any tissues or body parts which may be removed unless I specify otherwise.
- 9. In connection with medical services received, I consent to any photographs, video recordings, and images ordered by my physician and/or per facility protocol to be used for documentation, medical research and medical education. I waive any and all rights of ownership in such photographs, video recordings and images. I understand that every effort will be made to protect my identity.
- 11. For the purpose of advancing medical education, I consent to the admittance of observers to the room in which the procedure(s)/treatment(s) is performed.



Page 1 of 2

# Tracking Patient and Case Readiness



# HIPAA Compliant Mobile App



Key
White: Not yet started
Black: In progress
Green: Ready
Red: Not ready



# Interfacing with Hospital EMRs

- HL7
- FIHR
- X12
- Data exchange using JSON or XML formats

All the data can be exchanged over a Secure Business-to-Business (B2B) Virtual Private Network (VPN)



"IMPLEMENTING THESE CHANGES WON'T BE EASY. WE'RE PRETTY SET IN DOING THINGS THE WRONG WAY."