

# Bluebird

## Operating Room (theatre)



Add New Surgery - Boyle, Odie 42 F

Unscheduled return to OR

Surgery performed at

Theater

Procedure:

Primary Surgeon

Surgery Personnel

Assistant   None

Anesthetist   Hospital Only  None

Scrub Nurse

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## Introduction

The Bluebird Operating Room Module is provided either as part of the Bluebird Hospital EMR or as a separate stand alone solution. It is designed to document operative procedures.

The Bluebird Operating Room Module can also accept data electronically from third party EMRs via a published API, but the Bluebird Operating Room Module generally provides additional detail that helps manage SSI's.

The User Interface screenshots on the following pages are generally self explanatory with most data being collected using drop down lists which allow easy data capture, eliminate spelling errors and enable automatic coding of the procedure.

### Notes:

PATOS means "Present at the time of surgery".

The American Society of Anaesthesiologists' (ASA) classification of Physical Health is a widely used grading system for preoperative health of the surgical patient <http://ow.ly/Kvv830g9i9M>

## User Interface

**Add New Surgery - Hamernik, William 54 M**

Unscheduled return to OR

Surgery performed at

Theater

**Procedure:**

**Surgery Personnel**

Primary Surgeon

Assistant   None

Anesthetist   None

Scrub Nurse

ASA Score

Emergency  Yes  No

Patos  Yes  No

▶ Surgery Risk Factors (0)

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- ASA Score (if done)
- Extended duration of operation
- Wound Class III or IV
- Pre-op shower with CHX
- Hair removal method
- Skin prep in theatre done with CHX
- Break in aseptic technique
- Peri-op hypothermia or hypoxia
- Tissue trauma (retractors, desiccation, haemostasis)
- HbA1c > 7%
- Low pre-op serum albumin
- Pre-op hospital or ICU stay
- Irradiation of surgical site
- Colonization present

Induction at	<input type="text" value="22/07/2016"/> <input type="text" value="09:15"/>	dd/mm/yyyy hh:mm
Incision at	<input type="text" value="22/07/2016"/> <input type="text" value="09:15"/>	dd/mm/yyyy hh:mm
Closure at	<input type="text" value="22/07/2016"/> <input type="text" value="09:15"/>	dd/mm/yyyy hh:mm
Duration	<input type="text" value="(XXX)"/> Minutes	
Trauma	<input type="checkbox"/>	
Implants	<input type="checkbox"/>	
Wound category	<input type="radio"/> Clean <input type="radio"/> Clean-contaminated <input type="radio"/> Contaminated <input type="radio"/> Dirty-infected	
Drains	<input checked="" type="button" value="None"/> <input type="button" value="Single"/> <input type="button" value="Multiple"/>	
Complications	<input type="text"/>	<input type="checkbox"/> None
Final Diagnosis	<input type="text"/>	
Sponge/Instrument Count Correct	<input type="checkbox"/>	
Patient left for recovery in good condition	<input type="checkbox"/>	
Est. Blood Loss (ml)	<input 100")"="" type="button" value("&lt;=""/> <input 200")"="" type="button" value("&lt;=""/> <input 300")"="" type="button" value("&lt;=""/> <input 400")"="" type="button" value("&lt;=""/> <input 500")"="" type="button" value("&lt;=""/> <input )="" 1000")"="" <input="" type="button" value="500 - 1000" value("&gt;=""  =""/>	
<input type="button" value="Close &amp; Save"/>		

## Coding (Default and Options)

By default Bluebird uses the CDCs National Health and Safety Network (NHSN) codes.

Although the NHSN surgical coding is Bluebird's default option, Bluebird offers multiple coding options including CPT4 ([intelms.com/338](https://intelms.com/338)), ICD10-PC ([intelms.com/339](https://intelms.com/339)).

Whatever coding option your hospital prefers, the complexity is hidden from Users who simply choose operative procedure categories and subcategories from drop down lists.

Because SSI reporting is based on NHSN codes under the hood Bluebird translates the various code sets to NHSN codes.

Similarly if the hospital uses its own surgical module and sends Bluebird the procedure code via an HL7 message, Bluebird will translate that code to NHSN codes to empower CDC SSI reporting.

### Abdominal

- APPY **Appendectomy** (not incidental)
- CHOL **Cholecystectomy / cholecystotomy**
- BILI **Biliary** (not gallbladder)
- BILI **Liver**
- BILI **Pancreas**
- HER **Hernia** (not diaphragmatic)
- SB **Small bowel** (not small-to-large bowel anastomosis)
- COLO **Colon** (not rectal)
- REC **Rectal**
- SPLE **Spleen**
- GAST **Stomach** (not include vagotomy and fundoplication)
- XLAP Other Abdominal

### Breast

- BRST **Breast**

### Cardiac Thor

- CARD **Open Cardiac surgery** ( not CABG, vascular, transplant or pacemaker)
- CBGB **CABG + Donor**
- CBGC **CABG**

- PACE **Pacemaker** surgery
- XCARbb Other Cardiac

## Eye

- EYE **Ophthalmic Surgery** If the hospital has chosen the ICD or CPT option (see below) below and as in the case of EYE (or ENT or MXF or PRON) there are no NHSN mapping choices, BB shows a blank field for the 3rd category with the instruction embedded in the field to type the name of the procedure.

## ENT

- ENT **Ear, Nose & Throat Surgery**

## Kidney

- NEPH **Kidney** surgery

## Maxillofacial

- MXF **Maxillofacial**

## Neck

- NECK **Neck** surgery (not thyroid/para)
- THYR **Thyroid / Parathyroid** surgery

## Neurological

- CRAN **Craniotomy** (does not include taps or punctures)
- VSHN **Ventricular shunt**
- XNEUbb Other Neuro



## Ob/Gyn

- CSEC **Cesarean** delivery
- HYST **Hysterectomy abdominal**
- VHYS **Hysterectomy vaginal**
- OVRY **Ovarian** surgery
- XOBGbb Other OBGYN

## Orthopedic

- AMP **Amputation** of limb
- HPRO **Hip replacement**
- KPRO **Knee replacement**
- LAM **Laminectomy**
- FX **Open reduction** long bones
- FUSN **Spinal fusion**
- XOTHbb Other Ortho

## Urological name changed from Prostrate

- PRST **Prostatectomy** (not transurethral)
- XURObb Other Urological

## Plastic & Reconstructive

- PRON **Plastic & Reconstructive**

## Thoracic

- THOR **Thoracic** surgery (Noncardiac, nonvascular ; includes pneumonectomy and diaphragmatic or hiatal hernia repair)

## Transplant

- HTP **Heart transplant**
- KTP **Kidney transplant**
- LTP **Liver transplant**

- XTRAbb Other Transplant

### **Vascular**

- AAA **Abdominal aortic repair**
- CEA **Carotid endarterectomy**
- PVBY **Peripheral artery bypass**
- AVSD **Shunt for dialysis**
- XVASbb Other Vascular

NHSN Excel found at [intelms.com/123](https://intelms.com/123). The CDA toolkits for all the codes over successive years can be found here: <https://www.cdc.gov/nhsn/cdaportal/toolkits.html>