

BC Critical Care Database

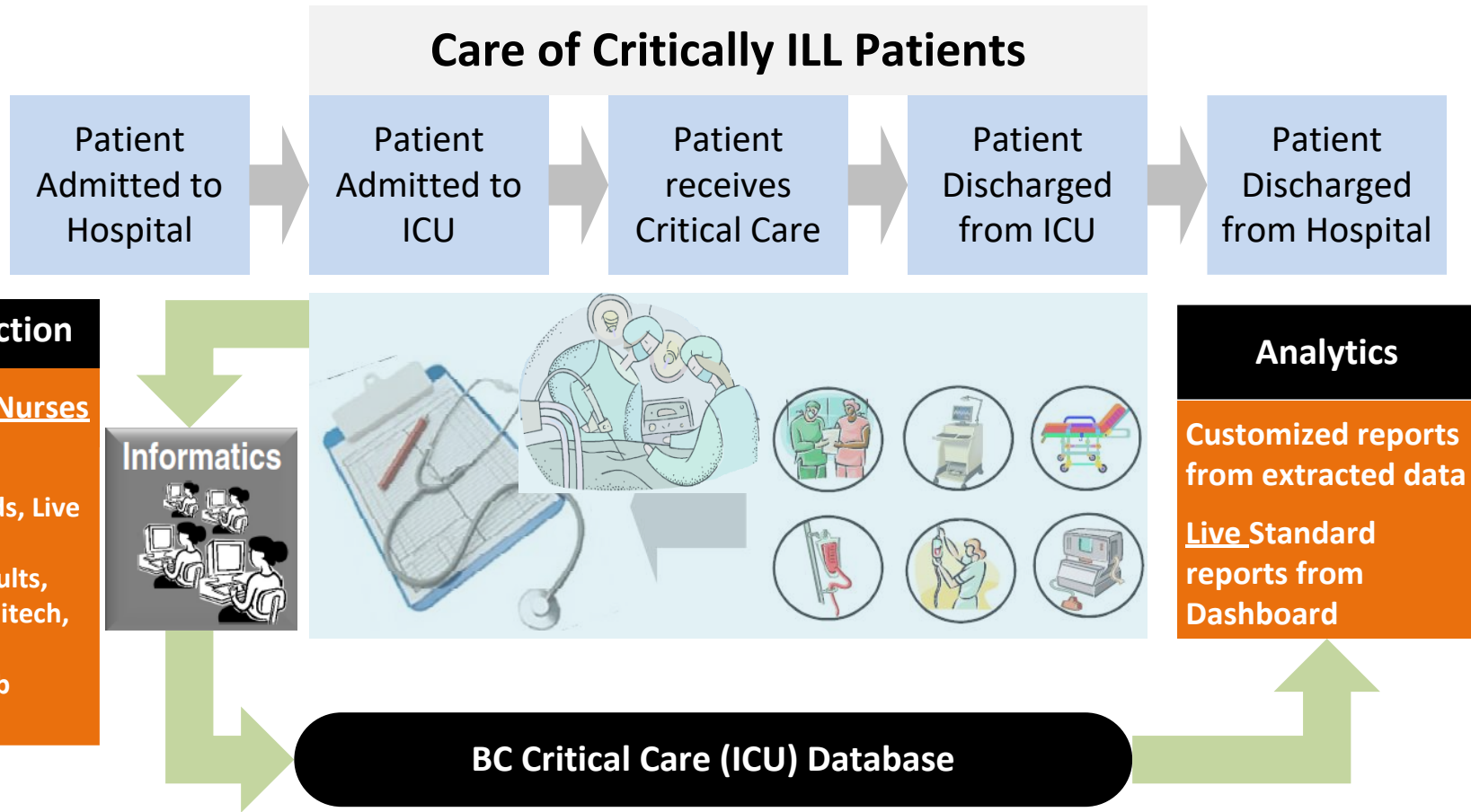
Early Mobilization

Sept 6th, 2018

Agenda

- Critical Care Database
- Sample Report
- Real-time access to Early Mobilization data
 - Dashboard Demo

Critical Care Database



➤ Focus on Critical Care Patient Data

Critical Care Database

- Dedicated data entry screen for Early Mobilization

Minimum dataset

CRITICAL CARE DATABASE - Vancouver General Hospital

Personal Information

Last Name Given Name DOB
PHN MRN Generic Patient ID

ICU Admit Date/Time:
ICU Disch Date/Time:

Glyce... Major... Unpla... CRBSI VAP Vaso... Blood... SOFA Compl... TRISS Vent ... FH Ve... VTE Mobil...

#	Date	Target Mobility		Actual Mobility		BE/ ROM	Duration (in minutes) if Patient is at or above Stage 3							Adverse Event Report?	
		Stage	Stage	TLC	BC		WC	EOB	C	ST	W	<input checked="" type="checkbox"/>	Adverse		
Day 1	01-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 2	02-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 3	03-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 4	04-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 5	05-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 6	06-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 7	07-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 8	08-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 9	09-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Day 10	10-JAN-2018	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Save Save & Exit Sepsis PAD ICUI Scores

Critical Care Database

Early Mobilization: Minimum data set

- Date
 - What date was the mobility score collected?
- Target Mobility Stage
 - This is determined by the PT team during their morning assessment and documented at that time.
- Actual Mobility Stage
 - This is documented by the PT team after successful or unsuccessful mobilization of the patient. When the Actual Mobility Stage is documented, it could be equal to, less than or greater than the Target Mobility Stage. That could depend on a number of factors, e.g. unexpected deterioration/improvement in the patient's condition or even if the patient was in the unit or not during that day (may have gone to the OR).

Critical Care Database

Early Mobilization: Minimum data set

➤ Adverse Event

➤ One of the main barriers to Early Mobilization may be the 'fear of adverse events'. By capturing 'Adverse Events', the frequency of this happening can be captured to:

1. Mitigate concerns about this happening.
2. Highlight specific adverse events to implement ways of preventing them from re-occurring.

The screenshot shows a web-based form for recording an adverse event. At the top, it indicates '# Day 1' and 'Date 01-JAN-2018'. The form is divided into three main sections: 'Major Event:', 'Loss of Tubes/Lines:', and 'Physiological Instability:'. Each section contains a list of checkboxes for specific events, with an 'Other' option and a text input field. At the bottom right, there are 'Back' and 'Save' buttons.

#	Day	Date
1	Day 1	01-JAN-2018

Major Event:

- Fall
- Injury to Staff or Patient
- Cardiac Arrest (not resulting in death)
- Death

Loss of Tubes/Lines:

- Endotracheal Tube
- Tracheostomy Tube
- Arterial Line
- Drains (Penrose, Pigtail, Hemovac, Chest Tube)
- Nasogastric/Nasoduodenal Feeding Tube
- Other

Physiological Instability:

- New arrhythmia
- Desaturation (SpO2 < 85%)
- Decreased LOC (RASS <= 3)
- Hyper/hypotension (140mmHg < MAP < 55mmHg)
- Other

Back Save

Critical Care Database

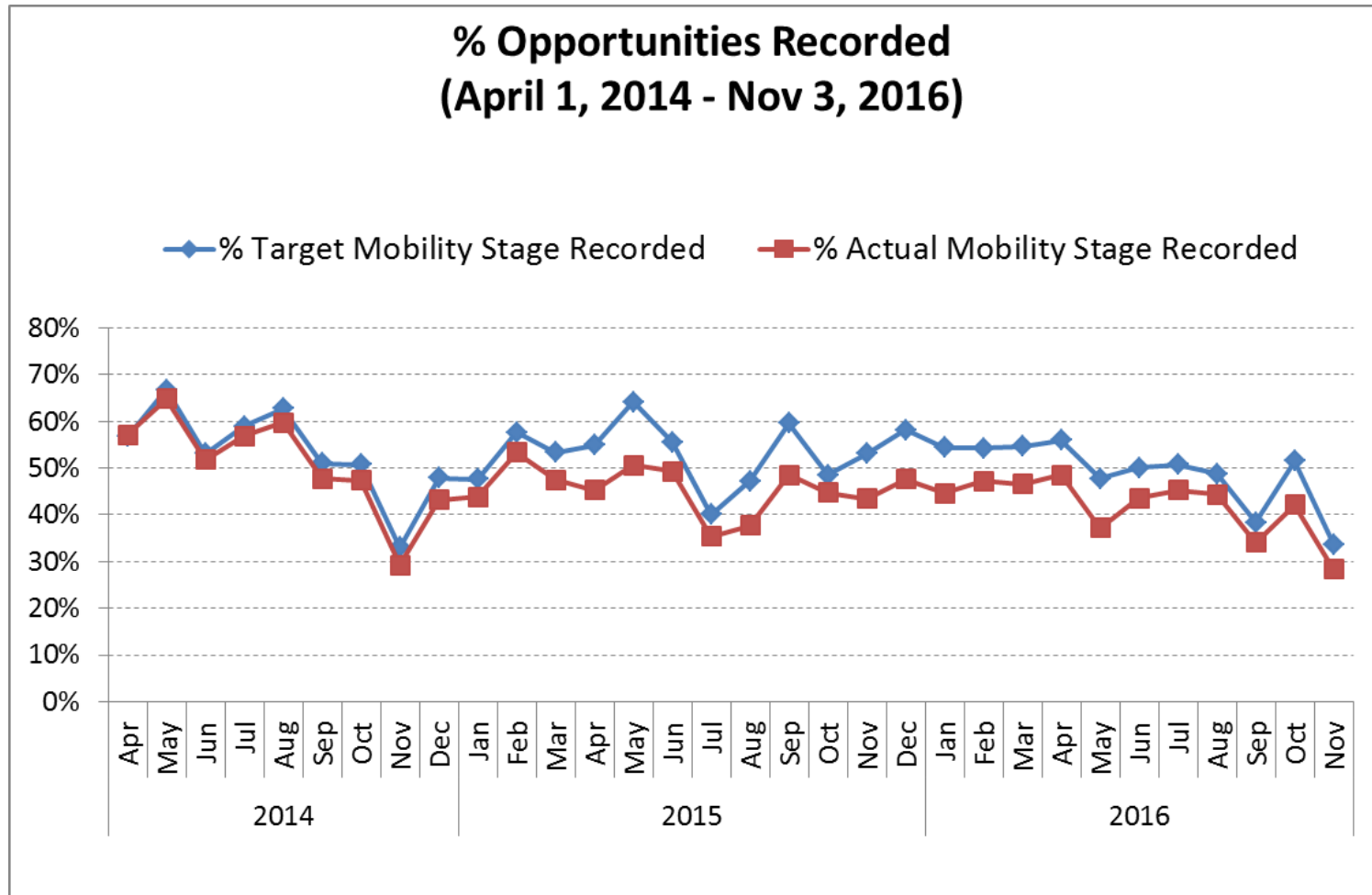
More information and resources can be found at:

<https://bcpsqc.ca/improve-care/critical-care/critical-care-database-home/>



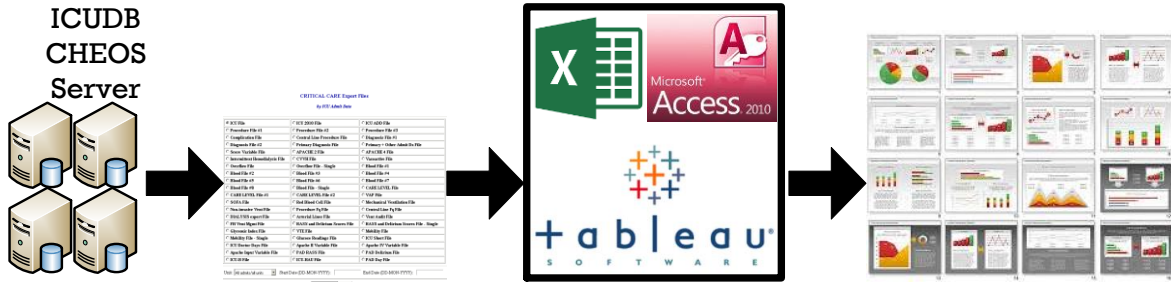
Sample Report

Documentation Compliance



Real-time access to Early Mobilization data

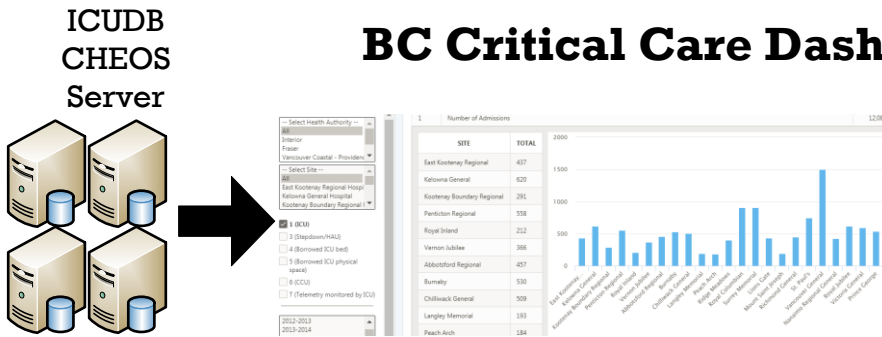
Conventional Access to Reports



- More time needed for report generation
- Templates can help but need initial investment
- Standard reports need user intervention
- Best for one-off reports
- Requires less specialized programming

Real-time Access to Reports

BC Critical Care Dashboard



- Less delay: 'live' reports 24/7
- Faster access to information
- Standard reports
- Requires specialized programming & cost

Real-time access to Early Mobilization data

Demo – BC Critical Care Dashboard

<https://cheos.vch.ca/cc/>

Note:

You need to be connected to your Health Authority Network in order to access the Critical Care Dashboard



Appendix



Dashboard Snapshot

BC Provincial Critical Care Dashboard

Indicators

Indicators [Definitions](#)

-- Select Health Authority --
 All
 Interior
 Fraser
 Vancouver Coastal - Providenci

-- Select Site --
 All
 East Kootenay Regional Hospit.
 Kelowna General Hospital
 Kootenay Boundary Regional H

- 1 (ICU)
- 3 (Stepdown/HAU)
- 4 (Borrowed ICU bed)
- 5 (Borrowed ICU physical space)
- 6 (CCU)
- T (Telemetry monitored by ICU)

2012-2013
 2013-2014
 2014-2015
 2015-2016
 2016-2017

-- Select Fiscal Period--
 All
 1
 2
 3

OR

-- Select Calendar Year --
 2012
 2013
 2014
 2015

SITE Collapse FISCAL Expand

	Indicator	TOTAL
1	Number of Admissions	12,404

SITE	TOTAL
East Kootenay Regional	436
Kelowna General	673
Kootenay Boundary Regional	291
Penticton Regional	558
Royal Inland	435
Vernon Jubilee	418
Abbotsford Regional	457
Burnaby	528
Chilliwack General	509
Langley Memorial	193
Peach Arch	183
Ridge Meadows	402
Royal Columbian	904
Surrey Memorial	906
Lions Gate	431
Mount Saint Joseph	195

