Liberation from intensive care. The A2F bundle

Dr Gabor Debreceni Consultant in Anaesthesia and Intensive Care St Mary's Hospital, Isle of Wight NHS Trust







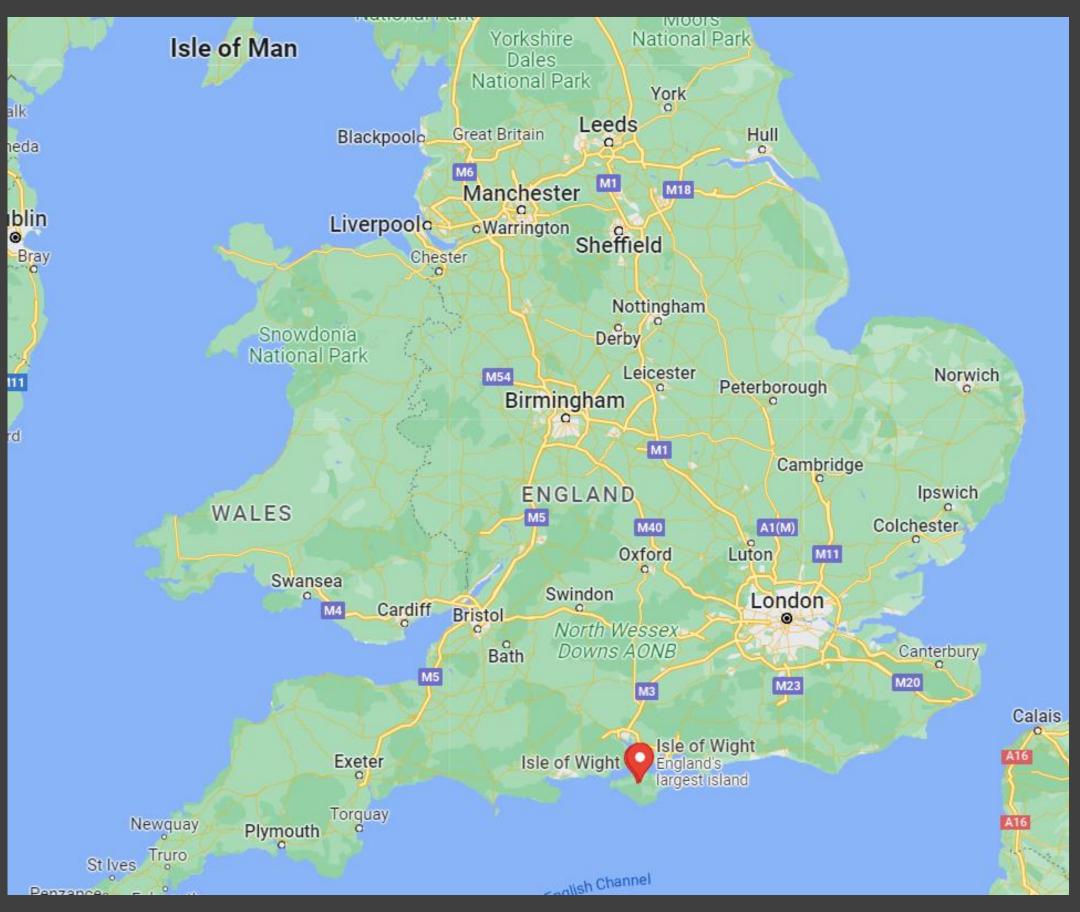


Conflict of Interest

Received travel support and speaker fee from Sedana Medical







slido



Do you know what Risk Adjusted Mortality Ratio means?

slido

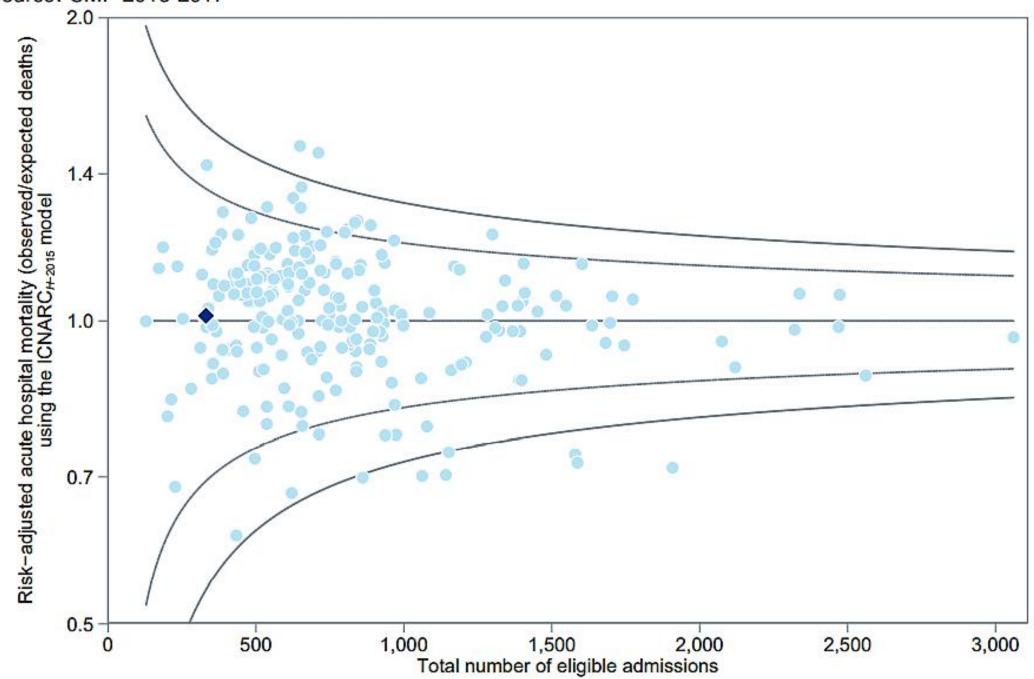


If you answered 'Yes'... do you know your ICUs recent Risk Adjusted Mortality Ratio?



Risk-adjusted acute hospital mortality for critical care admissions (observed/expected* deaths) using the ICNARC H-2015 model

Source: CMP 2016-2017



Metric	Unit
Observed	99
Expected	97.8
Ratio	1.01

^{*} Expected deaths from a logistic regression model fitted to all patients discharged from a critical care unit participating in the CMP to a ward or intermediate care area in the same hospital, adjusted for age, sex, severe conditions in the past medical history, prior dependency, CPR within 24 hours prior to admission, location prior to admission, ICNARC Physiology Score, body system of primary reason for admission and diagnostic groups.

Royal Berkshire Hospital, Intensive Care Unit

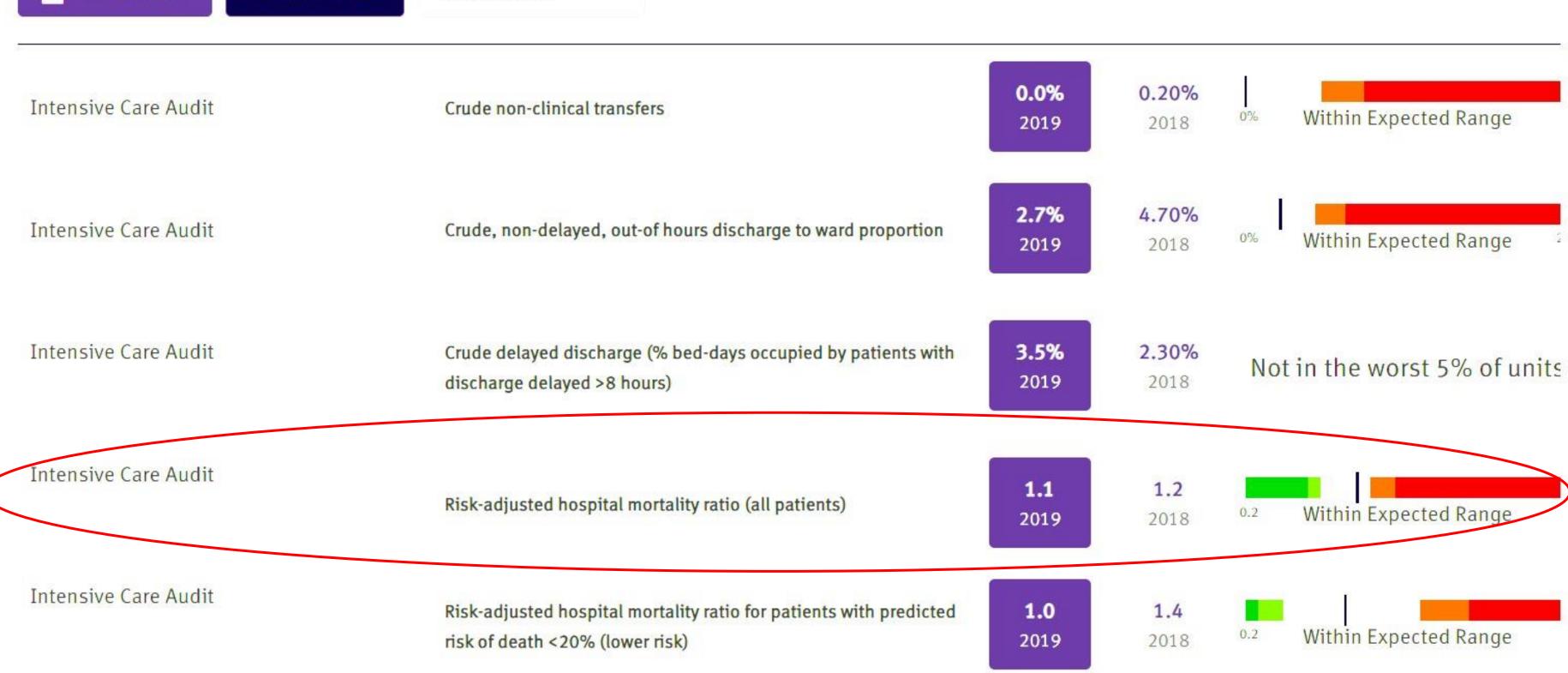
Royal Berkshire NHS Foundation Trust

CSV EXPORT

BACK TO WARD

Performance

Source: Healthcare Quality Improvement Partnership Clinical Audit benchmarks for Royal Berkshire Hospital, Intensive Care Unit - ncab (hqip.org.uk)

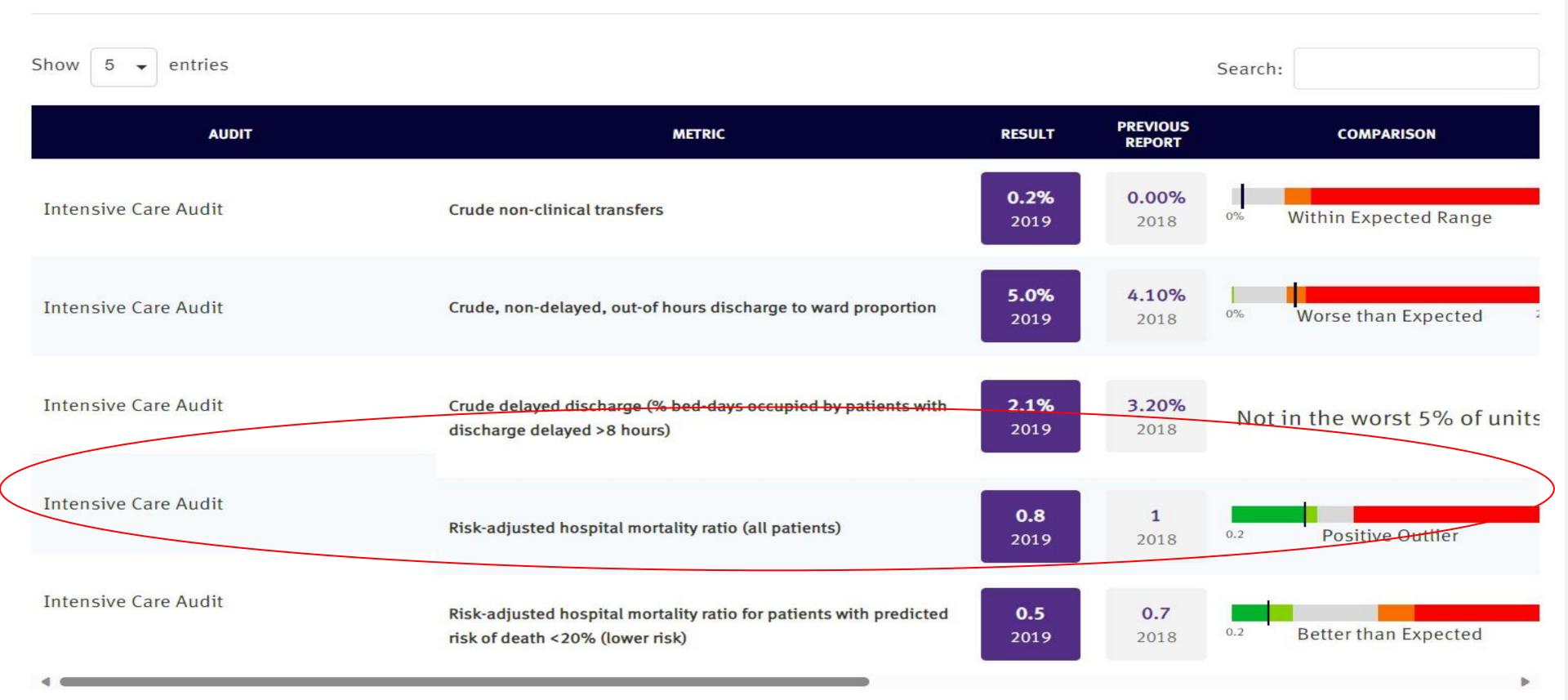


Southampton General Hospital, Intensive Care/High Dependency Unit

University Hospital Southampton NHS Foundation Trust

CSV EXPORT	BACK TO WARD	Performance	•

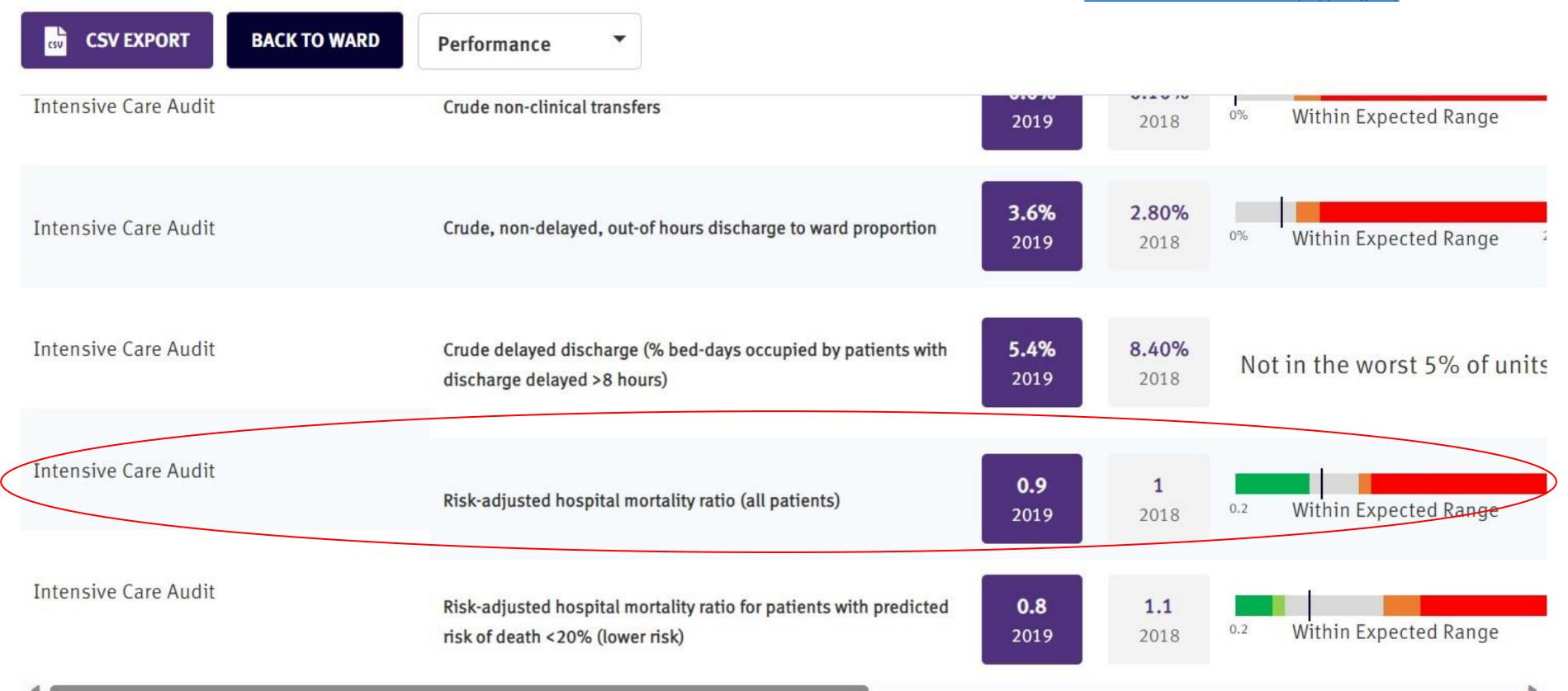
Source: Healthcare Quality Improvement Partnership Clinical Audit benchmarks for Southampton General Hospital, Intensive Care Unit - ncab (hqip.org.uk)



Queen Alexandra Hospital, Intensive Care Unit

Portsmouth Hospitals NHS Trust

Source: Healthcare Quality Improvement Partnership Clinical Audit benchmarks for Queen Alexandra Hospital, Intensive Care Unit - ncab (hqip.org.uk)

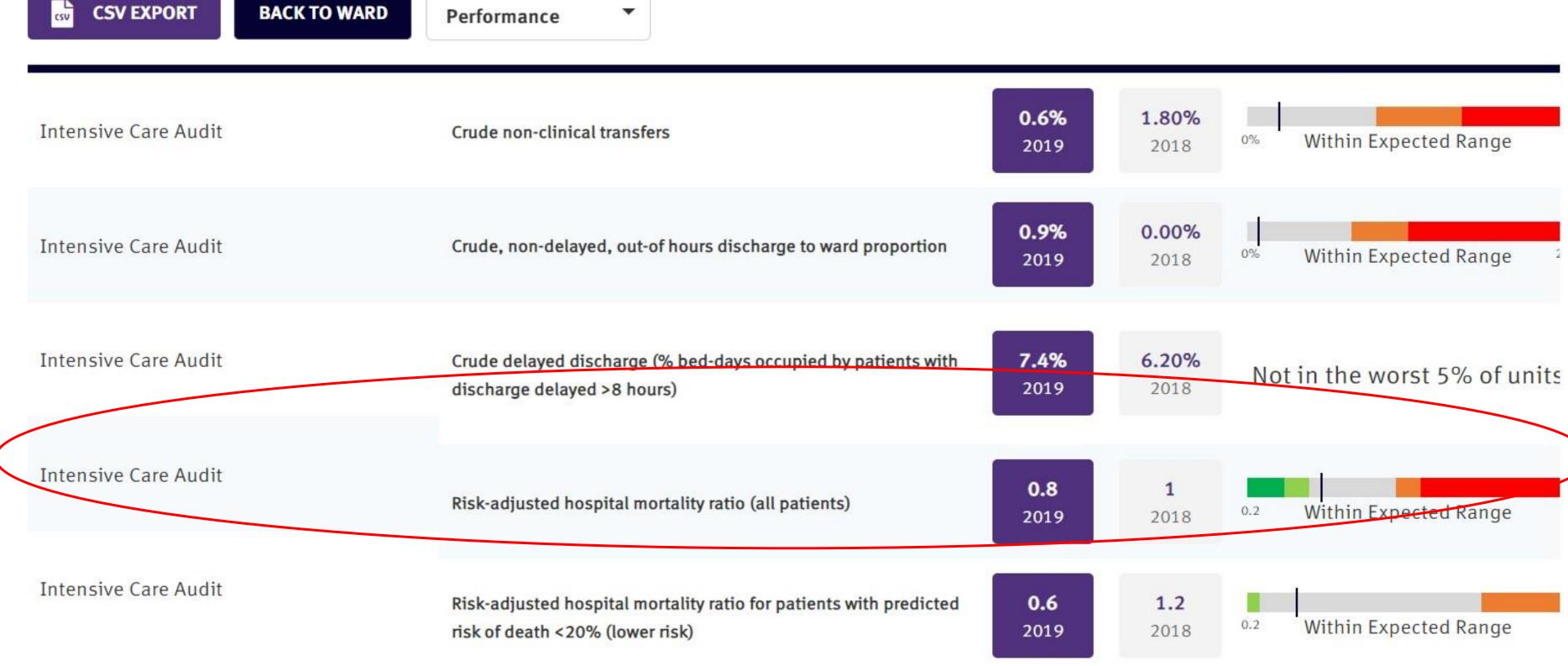


St Mary's Hospital, Isle of Wight, Intensive Care Unit

Isle of Wight NHS Trust

BACK TO WARD

Source: Healthcare Quality Improvement Partnership Clinical Audit benchmarks for St Mary's Hospital, Isle of Wight, Intensive Care Unit - ncab (hqip.org.uk)



Next



Brenda T Pun et al

Caring for Critically III Patients with the ABCDEF Bundle: Results of the ICU Liberation Collaborative in Over 15,000 Adults Crit Care Med. 2019 January; 47(1): 3–14



ICU Liberation: Evidence in the Numbers



Implementation of the ICU Liberation Bundle is associated with:

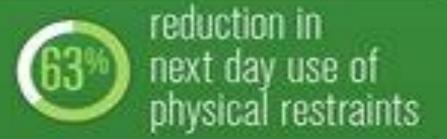


decrease in next day mechanical ventilation



reduction in hospital death within 7 days







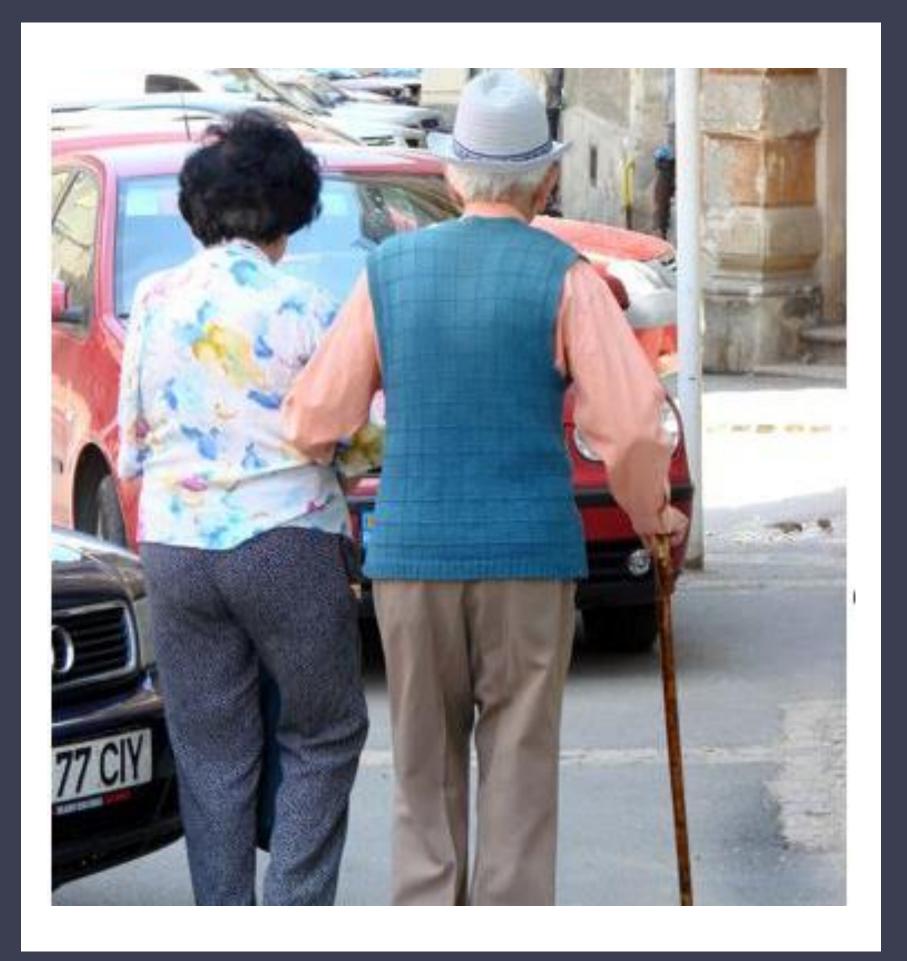




Learn more about the ICU Liberation Initiative at iculiberation.org.







The A2F Bundle

A Assess, Prevent and Manage Pain

B Both Spontaneous Awakening Trials and Spontaneous Breathing Trials

C Choice and Assessment of Sedation

D Delirium: Assess, Prevent, and Manage

E Early Mobility

F Family Engagement and Empowerment

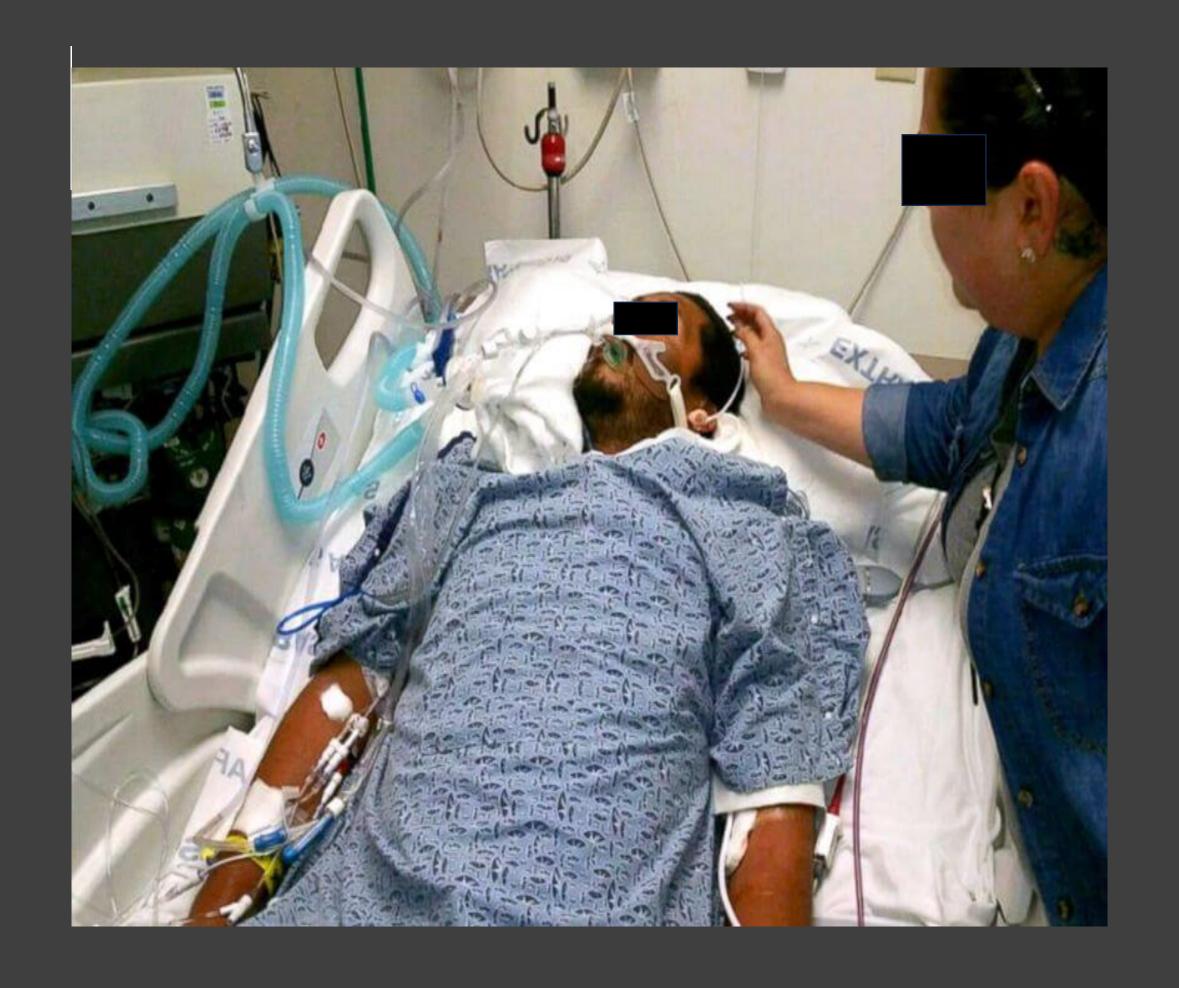




Pain, sedation, delirium and spontaneous awakening trial safety assessments should be done by the nursing staff before the ward round

A for Assess, Prevent, and Manage Pain





B for Both Spontaneous Awakening Trials (SAT) and Spontaneous **Breathing Trials** (SBT) For intubated patients



- SAT safety checklist
- No effect of muscle relaxant
- No active seizure
- No alcohol withdrawal
- No agitation
- No sign of myocardial ischemia
- No increased intracranial pressure
- No end-of-life care or expected therapy withdrawal



- SBT safety checklist
- No agitation
- SpO2>88%
- FiO2≤0.5
- PEEP≤5 cmH2O
- No sign of myocardial ischemia
- Off vasopressors
- P0.1 is -2 to -3 mbar
- Patient is not using accessory muscles for breathing

C for Choice and assessment of sedation



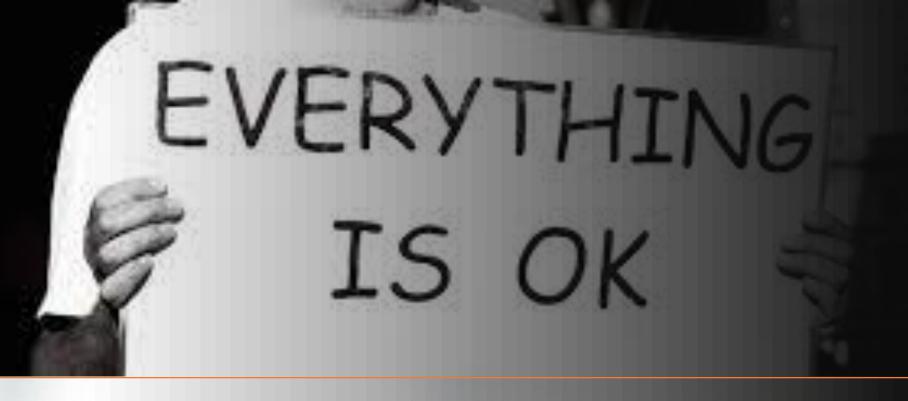
RASS



Early goal directed sedation feasibility checklist

- Patient is within 48
 hours of intubation
- No increased intracranial pressure
- No need of ongoing muscle relaxant use
- No plan for therapy withdrawal, organ donation or end of life care





AVOID DRUGS



Environment

Reassurance

Explanation

Avoid careless

discussions

Consider irritants



"movement is much more than just locomotion and physical action. It has deeper roots acting as the primary driver of human existence and the way we currently interact as physical, emotional, and psychological beings."

Caitlin Tobin Sweatnet.com







eBulletin

Friendly competition to support ICU policy implementation a success





slido



Would you consider using the A2F bundle in your ICU?

A Assess, Prevent and Manage Pain

B Both Spontaneous
Awakening Trials
and Spontaneous
Breathing Trials

C Choice and Assessment of Sedation

D Delirium: Assess,
Prevent, and
Manage

E Early Mobility

F Family
Engagement and
Empowerment

Pain, sedation, delirium and spontaneous awakening trial safety assessments should be done by the nursing staff before the ward round

