

CRIES Pain Score (0-10)

Pain score, can be replaced with appropriate alternative validated pain score e.g. FACES, FLACCS, Patient Reported Score. CRIES of 4 or more is sufficient pain level to require intervention.

RESPONSE	SCORE 0	SCORE 1	SCORE 2
Cry	No cry or cry which is not high pitched	High pitched cry but consolable	High pitched cry and inconsolable
Requires O ₂ to maintain SaO ₂ >95%	No	Requiring O ₂ <30%	Requiring O ₂ >30%
Increased vital signs	Heart rate & blood pressure +/- 10% baseline	10-20% increase in heart rate or blood pressure	>20% increase in heart rate or blood pressure
Expression	Neutral	Grimace	Grimace / grunt
Sleeplessness	No	Wakes frequently	Constantly awake

(Krechel & Bildner, 1995)

Nurse Interpreted Score for Sedation

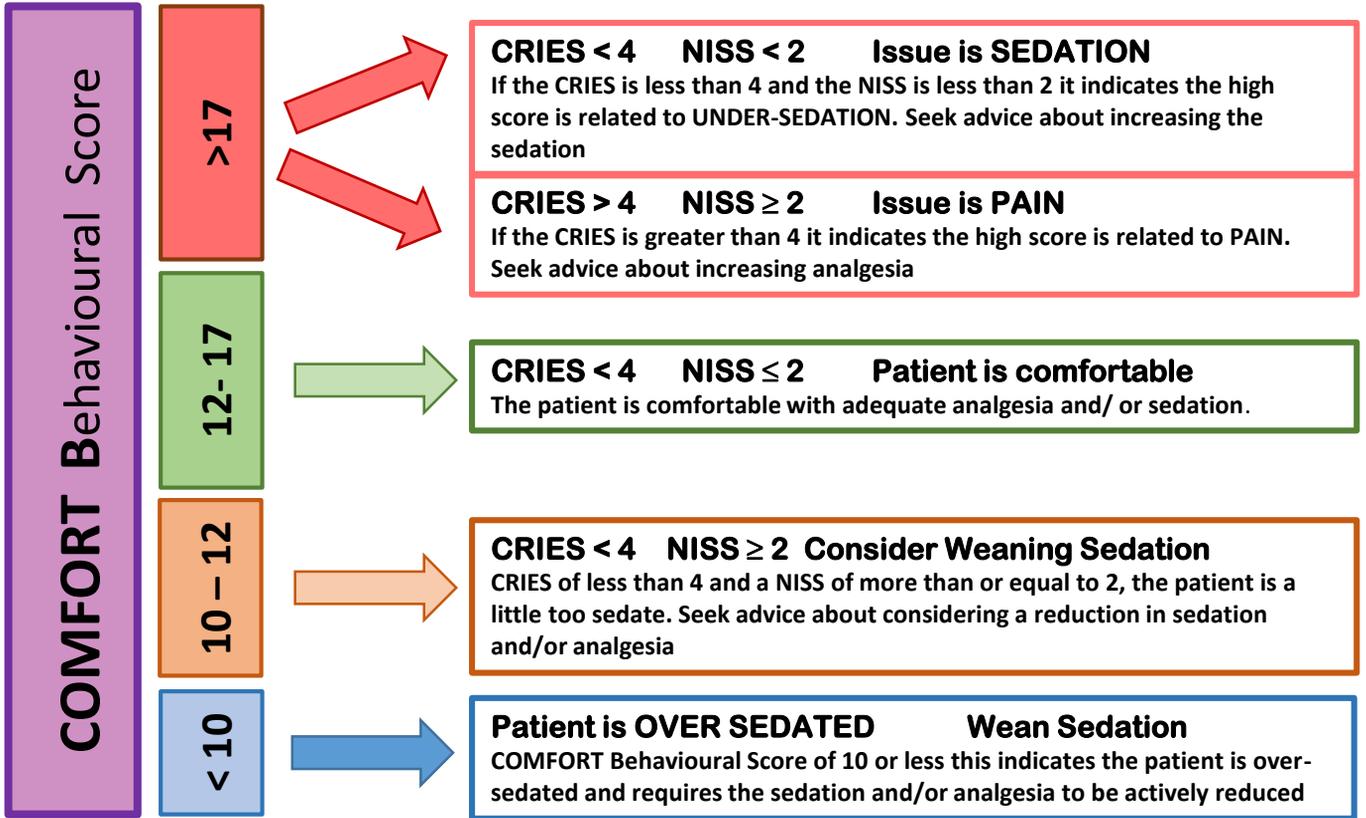
1	2	3
UNDER SEDATED	ADEQUATELY SEDATED	OVER SEDATED

Nurse interpreted level of sedation takes into account the bedside nurse expertise and normal behaviour or mannerisms as reported by parents/ guardians. Allows for interpretation to include emotional and neurodevelopmental factors.

Agitated, Irritable actively fights vent Lightly asleep, awake & relaxed No response to ET suction or other procedure



First assess the COMFORT B Score then assess the pain score and the NISS.



CRIES Pain Score (0 – 10)

- CRY CHARACTERISTIC-** Pain related cry is high pitched
- REQUIRES OXYGEN-** Consider other causes pneumothorax, over-sedation
- BLOOD PRESSURE-** Assess BP last to prevent upsetting the infant causing difficulty with other areas of assessment
- EXPRESSION-** Grimace characterised by brow bulge, eyes shut, deepened naso-labial furrow, mouth open
- SLEEPLESSNESS-** Based on infants state in the hour preceding assessment

By utilising a pain score in combination with a COMFORT Behavioural Score the interpreter can more accurately determine if the high score is in relation to pain or under-sedation

A high COMFORT Score can indicate pain, or can indicate distress as a result of behavioural factors- anxiety, separation from parents, confusion or grief. A knowledge of the child's baseline behaviours will assist in distinguishing causes of high COMFORT B Scores.

If the CRIES score is reported as 4 or more this is indicative of a sufficient level of pain that a pharmacological or non-pharmacological intervention should be initiated. Non-pharmacological methods of pain relief and comfort must always be considered in combination with pharmacological methods

Nurse Interpreted Score for Sedation (0 – 3) (NISS)

The NISS is designed and validated for use as an adjunct to the COMFORT B Scoring, NOT suitable for use on it's own.

Takes into account the bedside nurse expertise in combination with the normal behavioural mannerisms as reported by family members.

The NISS allows the bedside nurse to interpret and classify the patients' level of sedation while accounting for emotional and neurodevelopmental factors to identify if the patient's sedation should continue unchanged, be reduced or be increased

- SCENARIO 1: COMFORT B score 20 - Should indicate under-sedation requiring an INCREASE in sedation**
Patient known to have movement disorder & nurse aware he waves his arms repeatedly when happy, significantly increasing COMFORT B score.
Patient allocated NISS 2 - no increase in sedation necessary as patient is comfortable
- SCENARIO 2: COMFORT B score 9 - Should indicate over-sedation requiring an DECREASE in sedation and/ or analgesia**
Nurse aware parents have reported their child becomes very still and quiet when in pain or distressed.
Patient allocated NISS 1 - sedation and/or analgesia adapted to provide comfort