


Safety Score in colors: a proposal to evaluate assistance quality and improve patient safety



Ribas, E.O
Berquo, L.
Hoffmann, J.F
Zimmer, P.M.
Kaemmerer, A.
Malta, M.S

Objective


- To develop a matrix of indicators, which receive different weights, to compose a safety score easily understandable to evaluate assistance quality and patient safety.

Methods

- IHI proposal adapted to the institution;
- Each indicator received a weight considering the number of people or actions involved in each one;
- The weighted mean was obtained through the sum of the monthly denominators of each indicator;
- The final item weight was the result of the ratio between the weighted mean and the total sum;
- Indicator goals were established based on literature or on the Institution history.

Indicators	Weights	Indicators	Weights
Door-to-balloon time	0,005	AMI Inpatient Mortality	0,005
Percentage of AMI patients who are prescribed aspirin at hospital Discharge	0,005	Compliance with MRSA Contact Precautions	0,009
Angiotensin converting enzyme inhibitor use in patients with ventricular dysfunction	0,015	Percent of Congestive Heart Failure Patient Readmission	0,015
Inpatients transferred to ICU mortality rate	0,022	Colorectal Surgery Patients with Immediate Postoperative Normothermia	0,022
Ventilator Bundle Compliance	0,031	Ventilator-Associated Pneumonia Rate	0,031
Appropriate use of insulin in adult ICU	0,047	Central Line-Associated Primary Bloodstream Infection Rate	0,05
Central Line Bundle Compliance	0,064	Prophylactic Antibiotic use in anesthetic induction	0,069

Indicators	Weights	Indicators	Weights
Percent of Surgical Patients with Appropriate Selection of Prophylactic Antibiotic	0,069	Percent of Surgical Patients with Appropriate Prophylactic Antibiotic Discontinuation	0,069
Prophylactic deep vein thrombosis therapy compliance	0,082	Percent of inpatients evaluated for Pressure Ulcer risk	0,5
Pressure Ulcer Incidence	0,5	Rate of cardiorespiratory arrest	0,78
Unscheduled returns to the operating room	0,918	Percent of reconciled Medications	0,93
Rate of retaken laboratory exams	0,93	Compliance with Hand Hygiene	0,93
Rate of not communicated adverse events	0,93	Time dedicated for safety issues in directorship meetings	0,93
Time demanded for releasing radiological report	2,045		



Conclusions

- The Safety Score in colors is a proposal that allows weighting according to the number of patients involved in the denominators;
- It is an easy way to make staff be committed.