

Efficiency in accuracy

Stryker Prime Series® Stretchers with scales can provide an accurate and efficient patient weight

Situation



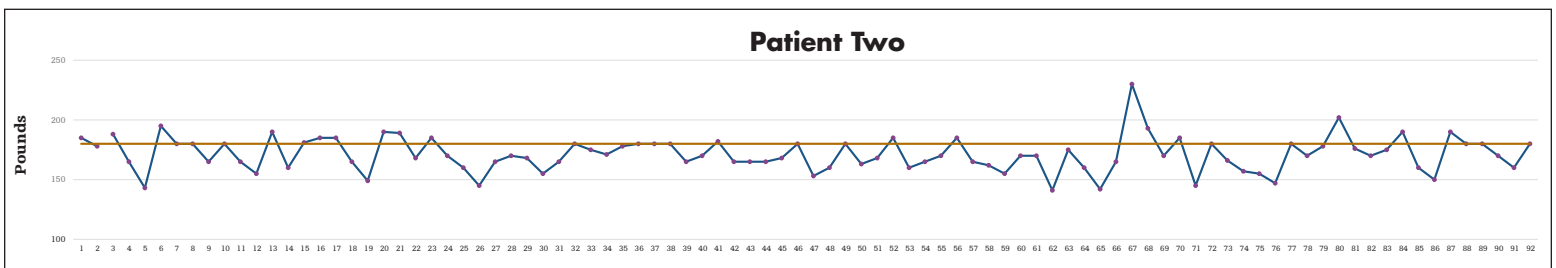
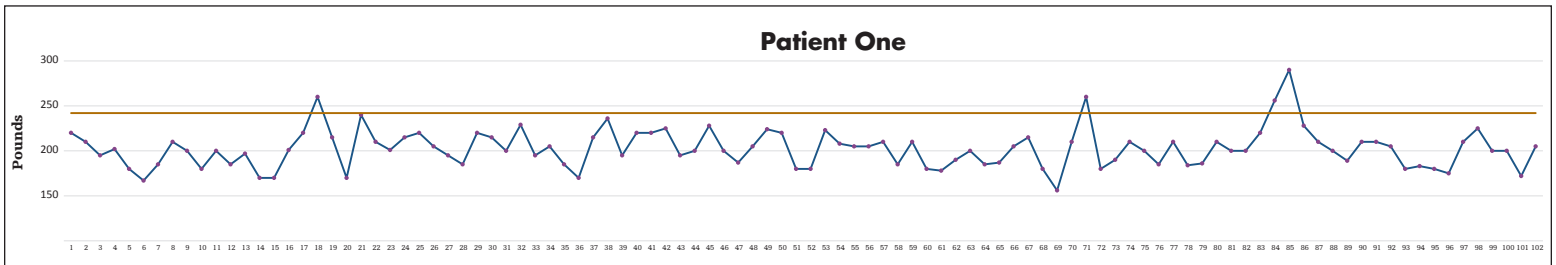
The mission of the Emergency Nurses Association is to advocate for patient safety and excellence in emergency nursing practice. In a fast-paced nursing environment with an increasingly heavier patient population, taking an accurate and efficient patient weight while reducing the number of transfers is very important.

Methodology

At ENA 2015 in Orlando, Florida, Stryker asked nurses to participate in a scales study. Two models sat atop two Big Wheel® electric stretchers with scales that were situated at low height and in a flat position (fowler and gatch down). The ENA participants were then asked to guess each of the model patient's weights.

Results

The results showed a 17% variance on patient one and a 7% variance on patient two from the actual patient weights. This is compared to a $\pm 3\%$ accuracy for the Prime scales for patient weights ranging from 100 to 700 pounds and a ± 3 pound accuracy for patients weights ranging from 50 to 99 pounds.



—●— Guess Weight — Actual Weight

Conclusion

Stryker Prime Series electric stretcher scales prove to be more accurate when weighing a patient than having a nurse guess the weight. ± 3 pounds (1.3kg) for weights ranging from 100 to 700 pounds and a ± 3 pound accuracy for patients weights ranging from 50 to 99 pounds. To meet this accuracy claim, the patient surface must be in the flat position (fowler and gatch down), high height, and the stretcher cannot exceed 5 degrees of Trendelenburg/reverse Trendelenburg.

To ensure proper operation of your Stryker Prime Series stretcher appropriate preventative maintenance should be performed annually, at minimum. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product. Please refer to your operations and maintenance manual for the checklist of required activities.