How an electronic Data Validation system increases IRR and Education in your Trauma Registry

Gart Buck CSTR and Katie Sheets RN, BSN, CCRN-K

Background

Once Data Validation is complete how are we utilizing the results to ensure the most accurate data? Data Validation gives a stronger confidence in our Registry data. With focus on Education and reliability of Benchmarking data, individual data point IRR assists in ensuring the accuracy and reliability of these areas.

Purpose

- Select Data Points that are most important to your Registry. Examples: Probability of Survival Factors, Benchmarking data, PI Initiatives.
- Track each data points IRR.
- Account for date abstracted, either by admit date or chart closure date. This gives the opportunity to easily view improvement.
- Retain all documentation and track trends.
- Review cases with individuals and team.

Objective

- Track IRR on each data point that we review during Data Validation.
- This gives a better overall view of accuracy and streamlines into our Registrar Education.
- This also offers the opportunity for tracking progress and accuracy during and after Education.

Methods

Uniform Data Validation

- It is important to maintain the same Data Validation Process for each employee.

Review With Trauma Registrar

- Discuss the areas of variance with your team and make discussion focused on Education.
- Team Education necessary or Individualized Education.

Utilize Tools

- Utilize Educational Tools already at your disposal.
- Research Trauma Registrar topical Webinars.
- Strengthen your internal data dictionary

Procedure

1. Complete and Review Data Validation
2. Focus in on areas of high and low percentages
3. Update or Amend Internal Data Dictionary
4. Focused Education on specific Areas

Observations

- Focused Education instead of writ-large Education strengthens the understanding of the Trauma Registrar of the areas in need.
- Incremental increase in overall IRR.
- Confidence in accurate data related to TQIP Benchmarking Report.
- Increased retention from targeted Education and IRR on individual data points.
- Stronger overall reliability in data.
- Trauma Registrar confidence in performance and data definition understanding.

Results

- Example of one new Trauma Registrar’s improvement over one calendar year using this process.
- Tracking IRR for improvement.
- Evaluating specific data points IRR

Conclusion

- Focused data point IRR leads to focused education, increased retention and thoughtful Educational budget utilization.
- Marketable increase in overall IRR in a short period of time from enacting this process.
- Increased confidence on TQIP Benchmarking data points and reports.