



Volume Based Feeding

Project aim:

Efficiency of volume based over rate based enteral feed in achieving target nutrition in critically ill patients.

Timeline for delivery:

From: September 2021

To: June 2022

Measures:

- Designed to adjust infusion rate to make up for interruptions
- Increase delivery of enteral feed to achieve target nutritional recommendations.
- Improved Audit results on Nutrition aspects of care

Tests for change:

- Improved audit data showing target calories achieved per day
- Achieving target calories helped improve wound healing and recovery from critical illness.
- Better patient satisfaction.
- Shorter ITU stay and therefore cost effective
- Staff feel valued by making decisions to achieve target calories instead of following prescribed rate led to target calories not achieved due to interruptions in care.



Project team:

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Results:

- Greater adherence in achieving target calories as rate adjusted to compensate interruptions / delays.
- Lesser requirements for additional nutritional supplements

Learning and next steps:

- Volume based feed protocol is now more nurse driven hence more awareness among nursing staff and willingness to carry out protocol independently.
- Nursing staff enabled to closely monitor patients nutritional targets with some training around calculating and achieving the target volume by adjusting rates independently.
- Continue Audits and training

