

Impact of an Educational Care Bundle on Cost-Effective Neuromuscular Blockade Reversal Practice

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BACKGROUND

Two options for neuromuscular blockade (NMB) reversal: neostigmine and sugammadex.

Neostigmine:
\$3.23 - \$4.06
per vial

Sugammadex:
\$61.75 - \$106.69
per vial

Sugammadex is clinically safer but yields a higher cost, especially with careless use.



OBJECTIVE: How to enhance awareness of and reduce waste/expenses associated with inappropriate sugammadex use?



Sources of waste:

- Training gaps in proper dosing
- Unawareness of drug cost
- Failure to return unused vials

INTERVENTION



PowerPoint
Presentation



Clinical
Reminders



Decision Tree
Guideline

This educational care bundle improves resource stewardship with emphasis on:

- Medication costs
- Appropriate dosing of agents
- Proper NMB monitoring

FINDINGS

90% of participants

exhibited higher self-efficacy scores to perform cost-conscious NMB practices post-intervention

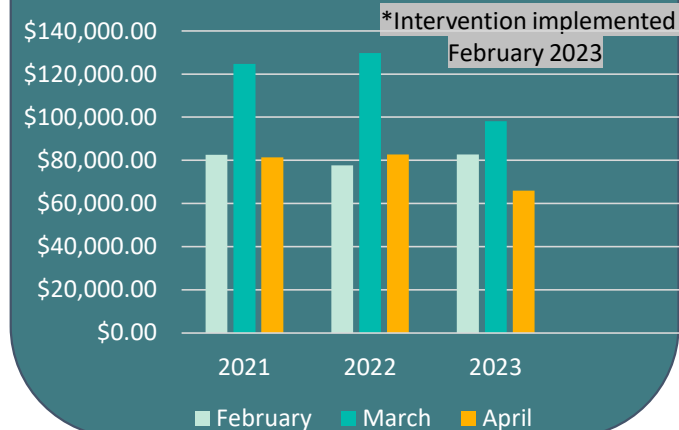


20-22%

Decrease in total spending of sugammadex post-intervention



Monthly Sugammadex Spending



CONCLUSION

A neuromuscular blockade reversal care bundle proved to be an impactful educational intervention for fostering more cost-effective, resourceful practice.