

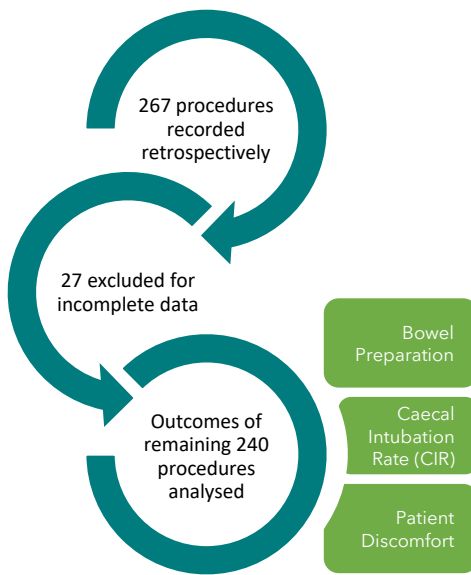
# SEDATIVE CHOICE CAN IMPACT COLONOSCOPY SUCCESS

## A Quality Improvement Project in Colonoscopy Sedation at Dumfries Royal Infirmary

### BACKGROUND

Literature suggests that Entonox offers worse outcomes in colonoscopy than intravenous (IV) sedation. The aim of this project is to achieve >95% procedural success by November 2023 by comparing sedation and auditing current outcomes against UK standards.

Outcome Measured	Result	UK Aspirational Outcome
Bowel Preparation	98.75%	>95%
CIR	88.75%	>95%
Moderate/severe Discomfort	17.91%	<10%



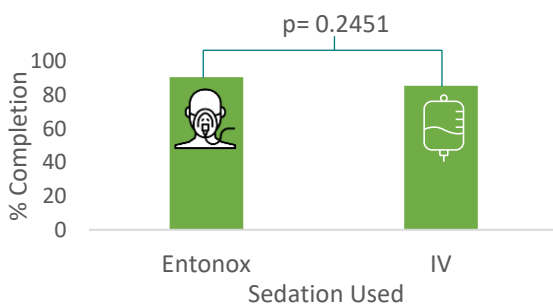
### CONCLUSION

Improved sedation quality will improve CIR and patient experience

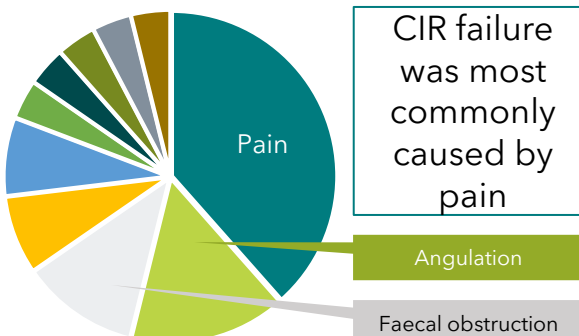
### FUTURE STEPS

Maintain the current levels of bowel preparation  
 Encourage female patients to use IV sedation  
 Implement a validated questionnaire to measure patient comfort

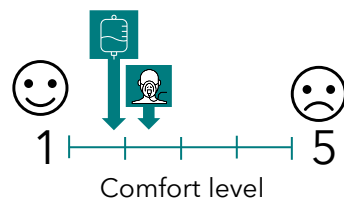
### Caecal Intubation Rate



Sedative choice showed no difference in CIR (90.5 vs 85.5%)



### Patient Discomfort



Entonox sedation resulted in greater discomfort than IV (1.8 vs 2.02, p=0.0323)



Female patients experienced significantly more discomfort than male (2.08 vs 1.76, p=0.001)

