

# Does the Ventilator Mode for Critically Ill Adults Affect the Number of Days Alive and Ventilator-Free Days?

## STUDY DESIGN

Pragmatic cluster-randomized crossover pilot trial of 566 patients who were ventilated in Belgium

Volume Control (VC)

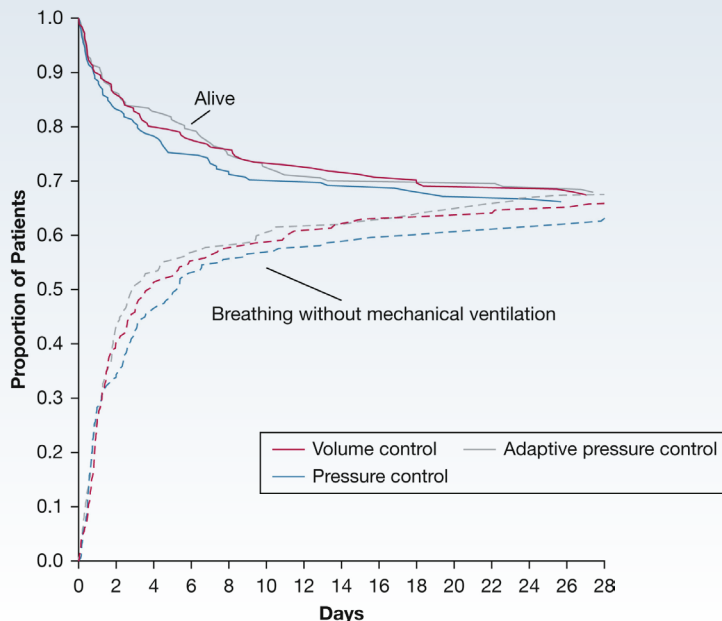
vs

Pressure Control (PC)

vs

Adaptive Pressure Control (APC)

## RESULTS



**NO DIFFERENCE** in ventilator-free days

- Percentage of **tidal volume greater than 8 mL/kg** was higher in the PC group
- **Mean peak inspiratory pressure (PIP)** was higher in the VC group than the PC or APC group
- **Depth of sedation** was lower in the APC group

This pilot trial established the feasibility of conducting a randomized controlled trial of ventilator mode in this population. Our results showed no difference in ventilator-free days between ventilator modes but some differences in tidal volume, PIP, and depth of sedation.