

**Supplemental Digital Content 1A: Provider Adherence and Multivariable Associations between Modified Driving Pressure Threshold and Postoperative Pulmonary Complications**

Modified Driving Threshold, cm H <sub>2</sub> O	Provider % Adherence to Modified Driving Pressure Component	Provider % Adherence to Overall LPV Bundle*	Adjusted Odds Ratio (95% CI) Between Modified Driving Pressure Component and Postoperative Pulmonary Complications
<10	11.8%	9.4%	0.67 (0.41-1.11)
<11	22.0%	16.7%	0.63 (0.44-0.91)
<12	33.6%	24.1%	0.57 (0.42-0.77)
<13	45.6%	30.9%	0.57 (0.44-0.75)
<14	55.8%	35.2%	0.47 (0.36-0.61)
<15	64.3%	38.8%	0.46 (0.35-0.59)
<16	71.0%	40.7%	0.51 (0.39-0.66)
<17	77.4%	42.4%	0.62 (0.46-0.82)
<18	83.0%	43.3%	0.60 (0.45-0.81)
<19	86.9%	43.7%	0.63 (0.46-0.86)
<20	89.8%	44.0%	0.51 (0.36-0.72)

\* Defined as median tidal volume <8 mL/kg predicted body weight, median positive end-expiratory pressure ≥5 cm H<sub>2</sub>O, and median modified driving pressure component as indicated in table.

**Supplemental Digital Content 1B: Provider Adherence and Multivariable Associations between Tidal Volume per Predicted Body Weight Threshold and Postoperative Pulmonary Complications**

Tidal Volume / Predicted Body Weight Threshold, mL/kg Predicted Body Weight	Provider % Adherence to Tidal Volume / Predicted Body Weight Component	Provider % Adherence to Overall LPV Bundle*	Adjusted Odds Ratio (95% CI) Between Tidal Volume / Predicted Body Weight Component and Postoperative Pulmonary Complications
<6	6.4%	5.0%	1.25 (0.76, 2.05)
<7	32.3%	23.7%	1.21 (0.84, 1.50)
<8	63.6%	40.8%	0.99 (0.75, 1.30)
<9	83.4%	49.0%	1.14 (0.83, 1.57)
<10	92.8%	51.9%	1.24 (0.82, 1.87)

\* Defined as median modified driving pressure <16 cm H<sub>2</sub>O, median positive end-expiratory pressure ≥5 cm H<sub>2</sub>O, and median tidal volume / predicted body weight component as indicated in table.

**Supplemental Digital Content 1C: Provider Adherence and Multivariable Associations between Modified Driving Pressure Threshold and Postoperative Pulmonary Complications**

Positive End-Expiratory Pressure Threshold, cm H <sub>2</sub> O	Provider % Adherence to Modified Driving Pressure Component	Provider % Adherence to Overall LPV Bundle*	Adjusted Odds Ratio (95% CI) Between Modified Driving Pressure Component and Postoperative Pulmonary Complications
≥2	83.5%	48.7%	1.32 (0.96, 1.81)
≥3	79.0%	48.5%	1.38 (1.00, 1.90)
≥4	78.8%	48.5%	1.40 (1.01, 1.92)
≥5	63.3%	40.8%	1.18 (0.91, 1.53)
≥6	9.0%	5.3%	1.66 (1.17, 2.36)
≥7	4.9%	3.0%	1.33 (0.81, 2.18)
≥8	2.5%	1.4%	1.12 (0.59, 2.16)

\* Defined as median tidal volume <8 mL/kg predicted body weight, median modified driving pressure <16 cm H<sub>2</sub>O, and median positive end-expiratory pressure component as indicated in table.