

# LOWER OR HIGHER OXYGENATION TARGETS FOR ACUTE HYPOXEMIC RESPIRATORY FAILURE

## H O T - I C U T R I A L

Does lower target for partial pressure of arterial oxygen (PaO<sub>2</sub>) improve mortality compared to higher target in patients with acute hypoxemic respiratory failure in the intensive care unit?

**Multicenter, stratified, parallel-group clinical trial**

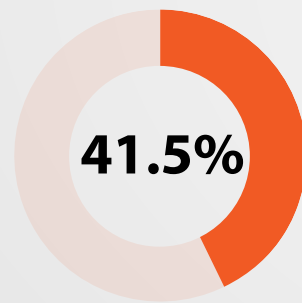


2928 Adults patients within 12 hours of acute respiratory failure

### LOWER O<sub>2</sub> TARGET

1441 patients

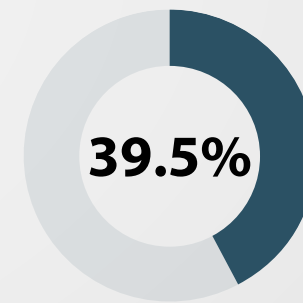
PaO<sub>2</sub> 60 mm Hg



### HIGHER PaO<sub>2</sub> TARGET

1447 patients

PaO<sub>2</sub> 90 mm Hg



### 90-day Mortality

(Risk ratio, 1.02; 95% confidence interval [CI], 0.94 to 1.11; P=0.64)



Lower oxygen target does not result in lower 90-day mortality in patients with acute respiratory failure.

April 8, 2021