PREDICTIVE PATIENT MONITORING
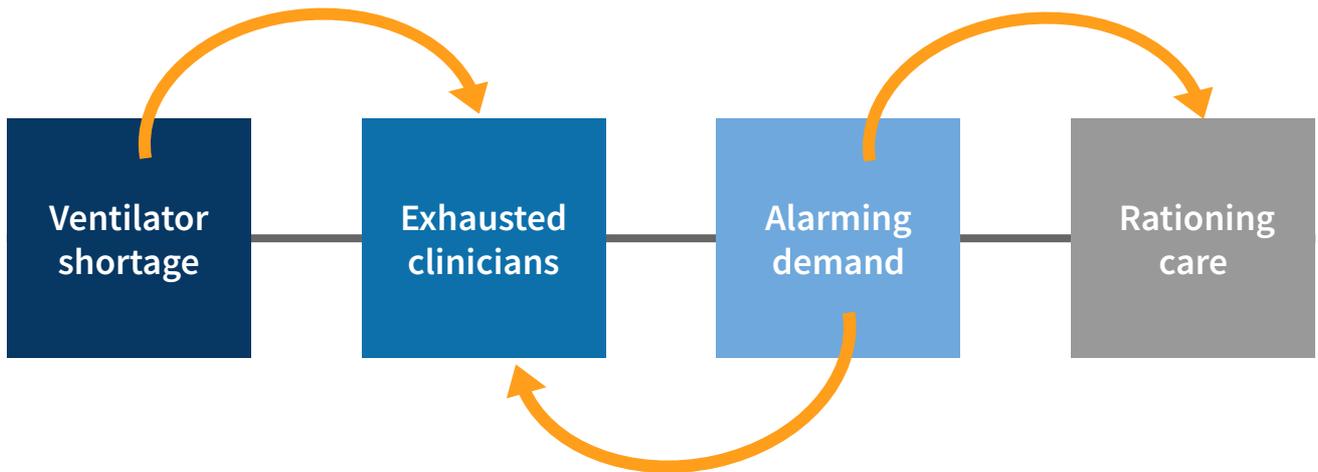
Right CARE | Right PATIENT | Right TIME
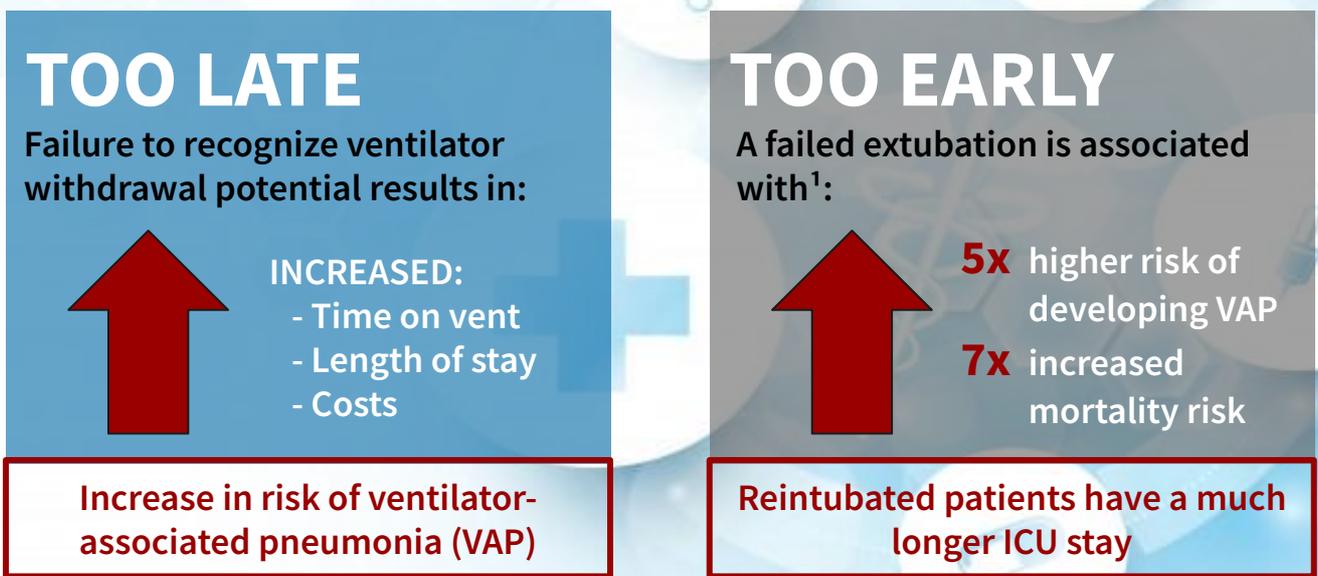
COVID-19 continues to overwhelm the world's best healthcare systems

Ventilator shortage → Exhausted clinicians → Alarming demand → Rationing care

Can computational analysis of data ease some of these challenges?

One such challenge: Intensivist and respiratory specialist burden

Can better ventilator management improve care effectiveness?

TOO LATE

Failure to recognize ventilator withdrawal potential results in:

INCREASED:
- Time on vent
- Length of stay
- Costs

Increase in risk of ventilator-associated pneumonia (VAP)

TOO EARLY

A failed extubation is associated with[1]:

5x higher risk of developing VAP

7x increased mortality risk

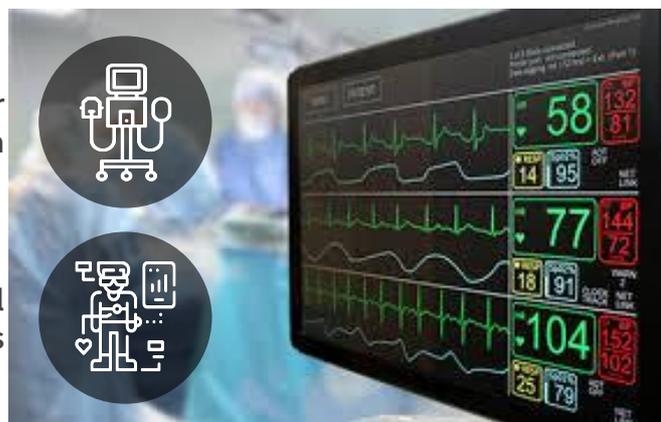**Reintubated patients have a much longer ICU stay**

Solution: Widen the 'Umbrella of Care' a single clinician can provide

Intelligent sensor fusion

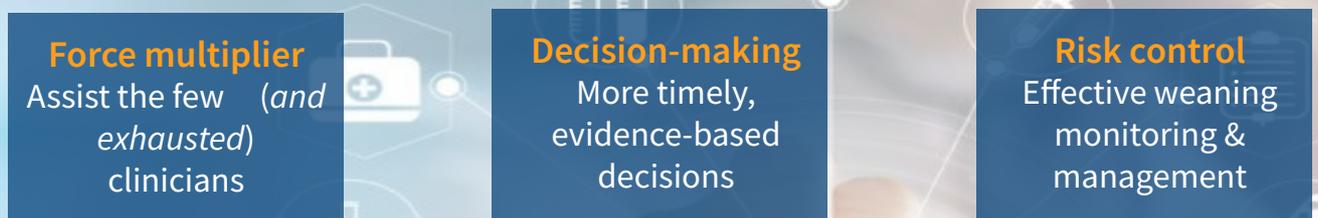Multivariate analysis of data can provide timely, actionable intelligence:

- ⊘ **objective criteria** to judge readiness to wean
- ⊘ **trigger actions** to decrease support gradually

Ventilator data ↕ Physiological signals

Nothing can replace the **clinician** but using a **data-driven approach** helps deliver the **right care**, to the **right patient** at the **right time**

Benefits: Empowered clinician, better patient care, better outcomes

Force multiplier
Assist the few (and exhausted) clinicians

Decision-making
More timely, evidence-based decisions

Risk control
Effective weaning monitoring & management

"Our clinicians are not at the bedside every second, so they are thrilled to have access to waveforms, parameters, alarms, pressure-volume loops, and trends wherever and whenever they need them."

Discover hidden insights from your data to help make better decisions

To learn more, reach out at info@falkonry.com

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[1]Gao F, Yang LH, He HR, et al. The effect of reintubation on ventilator-associated pneumonia and mortality among mechanically ventilated patients with intubation: A systematic review and meta-analysis. *Heart Lung.*2016;45(4):363-371.