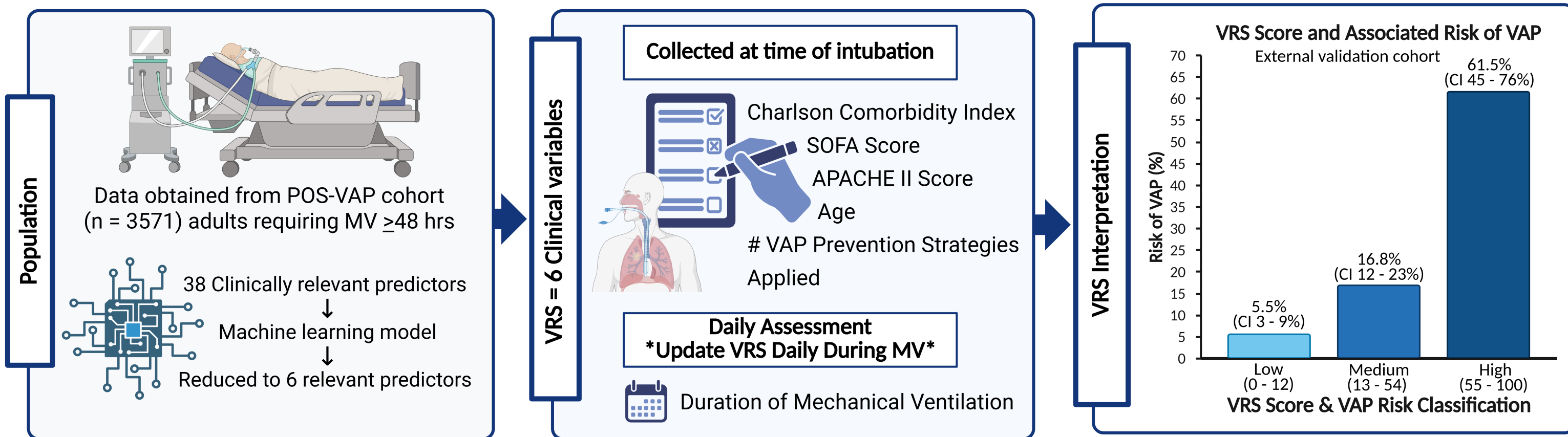


A clinically actionable risk score for **ventilator-associated pneumonia** (VAP) using interpretable machine learning

Can the VAP Risk Score (VRS), a machine learning algorithm, predict the risk of VAP in ICU patients requiring mechanical ventilation for ≥ 48 hours?



The VRS allows daily stratification of VAP risk in patients ventilated ≥ 48 h, using 6 clinical variables providing a reproducible and externally validated tool that may help clinical decision-making.