The COVID-19 pandemic poses an existential threat to the United States (US) healthcare system, which will require non-traditional solutions. Certified Registered Nurse Anesthetists (CRNAs) are immediately available, highly skilled, advanced practice registered nurses (APRNs) who can easily fill roles across healthcare systems. They comprise over 50 percent of the US anesthesia workforce and are expert clinicians with highly specialized skills such as airway management, ventilator support, and advanced patient assessment. CRNAs should be utilized as advanced care providers to expand the Nation’s critical care workforce.

The COVID-19 virus results in severe illness in 15.7 percent of positive cases with a death rate of 1-3 percent. The Johns Hopkins Center for Health Security identified a potential need for 200,000 additional intensive care unit (ICU) beds during a moderate pandemic scenario. Many patients will need care in ventilator support and advanced airway management due to possible respiratory issues.

CRNAs, on average, have 3 years of prior critical care nursing experience. This experience, along with their training and expertise in anesthesiology, positions CRNAs to help in many different areas. They are the perfect solution to fill the gap in caring for patients that need mechanical ventilation, experience managing ventilators, and oversee complex hemodynamic monitoring.

Advanced airway management
Highly skilled in intubation as well as the initiation and assessment of pharmacological interventions for patients in respiratory distress

Placement of invasive lines and monitors
These include central lines, peripherally inserted central catheters (PICC), and arterial lines

Advanced ventilator management
Experts in the conversion of operating room ventilators to ICU ventilators and oversight of patients needing ventilatory management

Rapid advanced physical assessment
Allowing for triage of multiple patients’ respiratory and hemodynamic status

Advanced hemodynamic monitoring
Knowledgeable in the titration of vasoactive medications and vascular volume resuscitation

Consultation of critically ill patients
Highly experienced in assessing patients who are receiving paralytic medications, are in alternative positions such as prone, or who require deep levels of sedation outside that normally managed in the ICU

Leading a team of rapid responders
Leaders in providing lifesaving interventions

CRNAs should be given authority to practice to their highest level of education and training. They should be integrated fully into the critical care team, and practice to the highest degree of clinical skill and expertise. CRNAs are the answer to rapidly, safely, and effectively fill in the critical care resources that facilities need to care for the patients being affected by the COVID-19 pandemic.