



# Performance Measures for Evidence-Based Guideline Relating to Naloxone Administration by EMS Personnel

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**Naloxone Evidence Based Guideline Development &  
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Deliverable for Condition B.8

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Performance Measures for Administration of Naloxone by EMS

1. Increase in pulse oximetry after EMS care
2. Increase in Glasgow Coma Scale (GCS) after EMS care
3. Increase in respiratory rate after EMS care
4. Patients with clinical opioid overdose who did not receive naloxone (under treatment)
5. Patients without clinical opioid overdose who received naloxone (over treatment)
6. Patients with clinical opioid overdose who received naloxone (appropriate treatment)
7. Patients who were treated with naloxone who refused recommended transport to ED
8. Patients with clinical opioid overdose who received ventilatory support within five minutes of first EMS unit's arrival on scene
9. Patients who exhibit adverse effects after naloxone administration (agitation, vomiting)

The Technical Expert Panel crafted the recommended performance measures to assist agencies and states in evaluating their compliance with and effective use of the naloxone evidence-based guideline. The National EMS Quality Alliance will work with electronic patient care report vendors to incorporate these measures into their software in order to allow ease of use for individual agencies and states. More detailed versions of these performance measures, including suggested pseudocode, can be found in the supplement to this report.