

# Northwest Community EMS System Cardiac Arrest ApOx & ETCO<sub>2</sub> Evaluation Form

All information obtained, including any appended materials, is furnished as a report of quality management and is privileged and confidential, to be used solely in the course of internal quality control for the purposes of reducing morbidity and mortality and improving the quality of patient care in accordance with Illinois Law (735IL CS 5/8-2004 et seq).

Complete this form for **ALL** patients in cardiac arrest where resuscitation was initiated

**Instructions to paramedics:** Forward completed form to your Provider EMS Coordinator to forward to Dr. Jordan - [mjordan@nch.org](mailto:mjordan@nch.org)

EMS agency	Date	Incident Number: _____	Pt. gender: <input type="checkbox"/> Male <input type="checkbox"/> Female
		Presenting ECG rhythm: _____	Age: _____
			Approx. wt.: _____ lbs.
<b>Time since arrest:</b> <input type="checkbox"/> Electrical (0–5 min) <input type="checkbox"/> Circulatory (6–10 min) <input type="checkbox"/> Metabolic (> 10 min) <input type="checkbox"/> Unknown <b>Cause of arrest:</b> <input type="checkbox"/> Cardiac <input type="checkbox"/> Resp/hypoxia <input type="checkbox"/> Trauma <input type="checkbox"/> Drug/tox <input type="checkbox"/> Neuro med <input type="checkbox"/> Metabolic (acid-base/inf.) <input type="checkbox"/> Unk			
<b>Brand of cardiac monitor</b> <input type="checkbox"/> PhysioControl <input type="checkbox"/> Zoll		<b>Brand of capnography sensor:</b>	

## (Apneic) Oxygenation and Obtaining an ETCO<sub>2</sub> reading

Was manual airway opening attempted/successful?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Were BLS airway devices (NPA/OPA) inserted before ETCO <sub>2</sub> sensor placed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Was airway impaired by edema/secretions?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes: Was suction used and/or did it effectively clear secretions?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Was ApOx indicated per SOP?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<small>Contraindications: CA due to hypoxic event (asthma, anaphylaxis, submersion, drug OD etc.) and/or peds ≤12.</small>	
Was ETCO <sub>2</sub> reading obtained upon ETCO <sub>2</sub> NC/O <sub>2</sub> + BVM mask application?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If no, did you see a ... or zero?	<input type="checkbox"/> ... <input type="checkbox"/> Zero
If no, was ETCO <sub>2</sub> reading obtained after inline ETCO <sub>2</sub> sensor application?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If no, was ventilation with BVM required before ETCO <sub>2</sub> reading was obtained?	<input type="checkbox"/> Yes <input type="checkbox"/> No

### Defibrillation timing: impact of low or no ETCO<sub>2</sub> reading

Defibrillation pads placed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>If shockable rhythm:</b> Defibrillation provided per SOP timing? Timing of defib: <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Was there a delay in defib because ETCO <sub>2</sub> was unable to be obtained?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Was there a delay in defib due to a low ETCO <sub>2</sub> reading?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Mechanical CPR device deployed?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No

### List capnography readings / type and timing of advanced airway placement

ETCO <sub>2</sub> reading BEFORE ventilations/advanced airway placement (list):	
If Adv. Airway placed: Type of airway: <input type="checkbox"/> ET <input type="checkbox"/> I-gel <input type="checkbox"/> Cric ETCO <sub>2</sub> reading AFTER ventilations/advanced airway placement (list):	
How many minutes from start of resuscitation to advanced airway placement?	
If there was a delay in Rx due to an inability to obtain an ETCO <sub>2</sub> reading, how many breaths or what other interventions were required before a reading was obtainable? Please provide any new information learned or general feedback you'd like to share in the space below.	

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