

Mesa County EMS

ALS Skills 2011

# 2010 Intubation Attempts

## High Plains Data 2010

# ADVANCED AIRWAYS

- ETT/NTT/KING/CPAP/CRIC DATA:

	<u>Total</u>	<u>%</u>	<u>Comments</u>
Total ETT pts (oral)	106	100%	
Total c ETT Successful	81	76%	67% in 2009
ETT Attempts	143		1.35 attempts/pt; 57% success
ETT Complications	2	2%	1 R main stem; 1 dislodged
Total NTT pts	10	100%	
Total c NTT Successful	7	70%	
NTT Complications		??	none listed for the 3 misses!!!
Total King Tube pts	14	100%	
Total c King Successful	12	86%	
CPAP pts	38		no problems or complications
Cricothyrotomies	1		successfully done, patient died

## ADVANCED AIRWAYS

- MISSED INTUBATION ATTEMPTS:

	<u>Total</u>	<u>%</u>	<u>Comments</u>
Total missed attempts	62	100%	
<u>Reason Charted:</u>			
Poor visualization	29	48%	70 reasons listed for 62 attempts as some patients had multiple reasons charted for same attempt.
Emesis/blood/fluids	23	38%	
????????????????	12	20%	
Pt. not relaxed	6	10%	

- ANALYSIS:

1. Our overall oral intubation success rate of 76% is decent- about average nationally. Not good enough for me. So we need to figure out how to lower this missed rate.
2. Is the poor visualization poor patient positioning?; c-collar in the way?; eroded skills because we do not do much of this?
3. Emesis- do you have suction up, running, and right at hand??

## **ADVANCED AIRWAYS**

### **WHAT PROVIDERS NEED TO KNOW:**

- **Missed Airway Attempts:**

1. I need to know why you could not intubate the patient.
2. **There is a pull-down menu of complications during intubation- I NEED YOU TO USE THIS.**
3. Each time you insert the laryngoscope into the mouth, or tube into mouth/nares, with the intent to intubate counts as an attempt; I need your PCR to list EVERY attempt, and to tell me why you could not intubate the patient for EVERY missed attempt.
4. Please understand: I am NOT chasing this data because I am going to go after providers who miss intubations.
5. What I AM going to do is continue to try to see if there are themes as to why we are missing intubations, and do my best to construct teaching and education around those themes.

# Missed Intubation Attempts

# The Problem: “Poor Visualization”

- 1) Patient positioning:
- 2) C-collars:
- 3) Secretions/vomit/blood:
- 4) Bad anatomy:
- 5) Poor technique:
- 6) Patient will not cooperate with your plan:

# Poor Visualization: Some Solutions

## 1) Patient positioning:

- pay attention;
- ?elevate head of bed 20-30 degrees

## 2) C-collars:

- manual stabilization and open front of collar

## 3) Secretions/vomit/blood:

- suction, suction...where is the suction

## 4) Bad anatomy:

- intubating stylet

## 5) Poor technique:

## 6) Patient will not cooperate with your plan: