

## eVitals.16 - End Tidal Carbon Dioxide (ETCO2)

## Definition

The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg), percentage or, kilopascal (kPa).

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E14_13	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

**Pertinent Negatives (PN)**

8801019 - Refused                              8801023 - Unable to Complete

**ETCO2Type**

3340001 - mmHg                              3340003 - Percentage                      3340005 - kPa

## Constraints

Data Type	totalDigits	fractionDigits	minInclusive	maxInclusive
decimal	4	1	0	760

## Data Element Comment

## Associated Validation Rules

Rule ID	Level	Message
nemSch_e001	Error	When End Tidal Carbon Dioxide (ETCO2) is empty, it should have a Not Value (Not Applicable, Not Recorded, or Not Reporting, if allowed for the element) or a Pertinent Negative (if allowed for the element), or it should be omitted (if the element is optional).
nemSch_e002	Error	When End Tidal Carbon Dioxide (ETCO2) has a Not Value (Not Applicable, Not Recorded, or Not Reporting), it should be empty.
nemSch_e008	Error	When End Tidal Carbon Dioxide (ETCO2) has a Pertinent Negative, it should be empty and it should not have a Not Value (Not Applicable, Not Recorded, or Not Reporting).
nemSch_e131	Warning	End Tidal Carbon Dioxide (ETCO2) should be no more than 100 when ETCO2 Type is "Percentage".
nemSch_e132	Warning	End Tidal Carbon Dioxide (ETCO2) should be no more than 100 when ETCO2 Type is "kPa".
nemSch_e133	Warning	End Tidal Carbon Dioxide (ETCO2) should be an integer when ETCO2 Type is "mmHg".
nemSch_e134	Warning	ETCO2 Type should be recorded when End Tidal Carbon Dioxide (ETCO2) is recorded.