

**SEVERE PULMONARY DISEASE ASSOCIATED
WITH E-CIGARETTE USE OUTBREAK**

**MEDICAL CHART ABSTRACTION SHORT
FORM (CDC)**

August 27, 2019

Medical Chart Abstraction Short Form – Selected Variables

Demographics

Case number (de-identified):

Age:

Ethnicity

- Hispanic or Latino
- Not Hispanic or Latino

Race: (Select all that apply)

- White
- Black or African American
- Asian
- American Indian/Alaska Native
- Native Hawaiian or Other Pacific Islander

Sex

- Male
- Female

History of Present Illness

Admitted to hospital

- Yes
- No

Date of admission or initial evaluation (if not admitted):

Discharge diagnosis:

Date of initial symptom onset: _____

Symptom at admission	Yes	No	Don't Know or Not Documented
Shortness of breath			
Difficulty breathing			
Chest pain			
Chest pain, pleuritic			
Cough (any)			
If yes (cough), productive?			
Wheezing			
Hemoptysis (coughing blood)			

Nausea			
Vomiting			
Diarrhea			
Abdominal pain			
Unexpected weight loss over past 3 months (specify amount): _____			
Subjective (i.e. reported) fevers			
Chills/Rigors			
Headache			
Stiff neck			
Sore throat			
Runny nose			
Sneezing			
Nasal congestion			
Muscle Aches/myalgia			
Joint pain			
Sweats			
Rash			
Red or draining eyes			

Other symptoms: _____

*If not admitted, symptoms at most recent evaluation

Past medical history:

Check all that apply:

- Asthma
- Emphysema/bronchitis (COPD)
- Bronchiectasis
- Hypersensitivity pneumonitis
- Cystic Fibrosis
- Other chronic lung disease, specify: _____
- Heart failure
- History of myocardial infarction (heart attack)
- Other cardiac diagnosis: _____
- HIV/AIDS
- Cancer, specify type _____
- Injection Drug Use
- Other, specify type _____

Vital Signs

Initial/first recorded temperature: _____ specify Fahrenheit/Celsius

Initial/first recorded heart rate:

Initial/first recorded respiratory rate:

Initial/first recorded systolic blood pressure:

Initial/first recorded diastolic blood pressure:

Initial/first recorded SpO2 on room air (pulse oximetry, %) :

Substance Use History

Tobacco Smoking Status (smoking of any combustible tobacco product, including cigarettes, cigars (regular cigars, little cigars, cigarillos), hookahs, roll-your-own cigarettes, pipes, and bidis)

- current smoker
- former smoker
- never smoker
- unknown

Vaping or e-cigarette use in past 90 days, includes using an electronic device (e.g., electronic nicotine delivery system (ENDS), electronic cigarette, e-cigarette, vaporizer, vape(s), vape pen, dab pen, or other) or dabbing to inhale substances (e.g., nicotine, marijuana, THC, THC concentrates, CBD, synthetic cannabinoids, flavorings, or other substances).

- current
- former
- never
- unknown

Substances vaped (check all that apply)

- Nicotine
- Marijuana, THC, THC concentrates, hash oil, wax
- Dank vapes
- Synthetic cannabinoids (e.g., K2 or Spice)
- CBD or CBD oil
- Flavors
- Other _____
- Not documented

Combustible Marijuana Smoking status (does not include vaping or dabbing, see above; only include use of smoked marijuana (e.g., joint, pipe, bong; sometimes called cannabis, pot, weed, hashish, grass))

- current
- former
- never
- unknown

Combustible Synthetic Cannabinoids Smoking status (does not include vaping or dabbing, see above; only include use of synthetic cannabinoids (e.g. K2, Spice))

- current
- former
- never
- unknown

Other substances inhaled:

- € Cocaine (crack)
- € Methamphetamine
- € Heroin
- € Huffing (paint, glue, bath salts)
- € Other _____

Selected laboratory testing:

- Admission sodium (Na):
- Chloride (Cl):
- Admission potassium (K):
- Admission magnesium (Mg):
- Admission blood urea nitrogen (BUN):
- Admission creatinine:
- Admission bicarbonate (CO₂):

Admission Complete Blood Count:

- White blood cells (WBC): _____
- WBC differential
 - % Neutrophils:
 - % Lymphocytes:
 - % Eosinophils:
 - % Monocytes:
 - % Basophils:

- Hemoglobin:
- Hematocrit:
- Platelets:

- Highest ALT (U/L):
- Highest AST (U/L):
- Admission total bilirubin:
- Admission C-reactive protein (CRP):
- Admission arterial blood gas (ABG) prior to mechanical ventilation:
 - pH: _____
 - pO₂: _____
 - pCO₂: _____
 - bicarbonate (HCO₃): _____
 - pulse oximetry O₂ saturation (at the time of the ABG draw): _____

Special laboratory testing:

Indicate any positive laboratory tests for infectious, rheumatologic, hypersensitivity panel
(See long form medical abstraction form for detailed examples of these tests)

Test	Date of collection	Results

Imaging, medical procedures, and treatment:

Chest radiograph (x-ray) performed

Yes No Unknown

Initial chest radiograph (x-ray) findings:

Subsequent chest radiograph (x-ray) performed?

Yes No Unknown

Subsequent chest radiograph (x-ray) findings:

Chest CT (computed tomography) performed Yes No Unknown

Initial chest CT findings:

Bronchoscopy performed Yes No Unknown

Bronchoscopy findings:

Lung biopsy performed

Yes No Unknown

Lung biopsy findings:

Antimicrobials administered:

Yes No Unknown

Antimicrobials (e.g., antibiotics, antifungals, antivirals) administered. List all.

Antimicrobial name

Documented clinical response to antimicrobials:

Improvement

No change

Worsening clinical status

Unknown/not documented

Steroids administered:

Yes No Unknown

Steroid medication name	Route	Dose	Frequency

Documented clinical response to steroids:

- Improvement
- No change
- Worsening clinical status
- Unknown/not documented

Required the following care:

- Intensive care unit (ICU) admission Yes No Unknown
- Ventilatory support with CPAP or BiPAP Yes No Unknown
- Mechanical ventilation via endotracheal or tracheal intubation Yes No Unknown
- Diagnosis of Acute Respiratory Distress Syndrome (ARDS) Yes No Unknown
- Placed on extracorporeal membrane oxygenation (ECMO) Yes No Unknown

Outcomes

- Died? Yes No Unknown
- Date of death (MM/DD/YYYY): _____
- Cause of death: _____
- Autopsy performed? Yes No Unknown
- Report available? Yes No Unknown
- Autopsy findings: _____

Case status

- € Confirmed
- € Probable
- € Not yet determined
- € Not a case