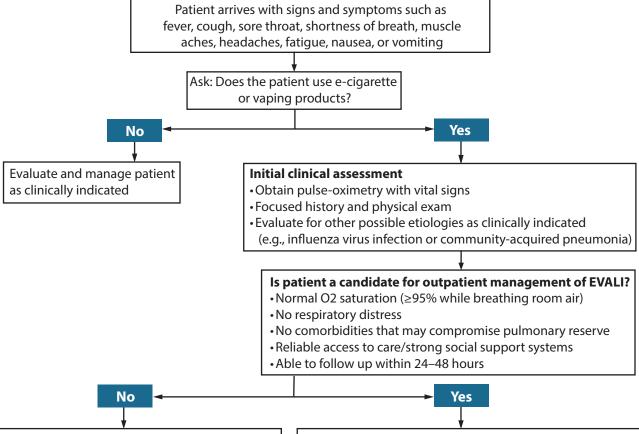
ALGORITHM FOR MANAGEMENT OF PATIENTS WITH RESPIRATORY, GASTROINTESTINAL, OR CONSTITUTIONAL SYMPTOMS AND E-CIGARETTE, OR VAPING, PRODUCT USE





Inpatient clinical evaluation

- Conduct urine toxicology, influenza testing, plus other laboratory and infectious disease testing guided by clinical findings
- Obtain a chest x-ray and consider CT if chest x-ray is normal
- Consider consultation with pulmonary, critical care, medical toxicology, infectious disease, and others
- Additional testing with bronchoalveolar lavage or lung biopsy as clinically indicated, in consultation with pulmonary specialists

Inpatient clinical management

- Discontinue use of e-cigarette, or vaping, products
- Consider empiric use of antibiotics, antivirals, or both, in accordance with established guidelines
- Consider corticosteroids, with timing depending on severity
- Offer or connect patients to services to stop using e-cigarette, or vaping, products
- Ensure follow-up no later than 1–2 weeks after discharge from hospital
- Emphasize importance of routine influenza vaccination

Outpatient clinical evaluation

- Consider obtaining chest x-ray particularly if indicated by complaints of chest pain, dyspnea, or clinical exam findings
- Consider influenza testing, in accordance with established guidance

Outpatient clinical management

- Manage for possible EVALI
 - Advise patient to discontinue use of e-cigarette, or vaping, products
 - Use of corticosteroids might worsen respiratory infections and should be considered with caution in the outpatient setting
- Manage other possible infections, if present, in accordance with established guidelines
- o Consider early initiation of antivirals for possible influenza
- o Consider appropriate antibiotics for community acquired pneumonia
- Offer or connect all patients to services to stop using e-cigarette, or vaping, products
- Ensure follow-up within 24–48 hours; additional follow-up might be indicated, based on clinical findings
- Emphasize importance of routine influenza vaccination

 $\textbf{Abbreviations:} \ \mathsf{CT} = \mathsf{computed} \ \mathsf{tomography;} \ \mathsf{EVALI} = \mathsf{e-cigarette,} \ \mathsf{or} \ \mathsf{vaping,} \ \mathsf{product} \ \mathsf{use-associated} \ \mathsf{lung} \ \mathsf{injury.}$

