

# HB58 – Surgical Smoke Evacuation System Requirements

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## What

is Surgical Smoke?

- It is a byproduct produced by the interaction of heat with tissue
- It is produced by a number of common surgical devices
- It can contain toxic chemicals, blood fragments, and viruses
- Particles are less than one tenth of a micron; making them easily inhaled or absorbed through the eye



## How

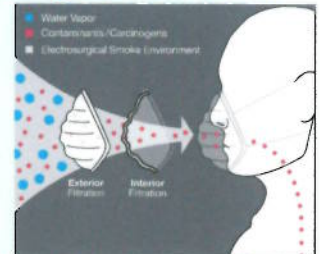
is surgical smoke controlled?

- Smoke evacuation systems are designed to create suction that removes surgical smoke from the operating environment as the smoke is created
  - The cost is between \$1.97 and \$13.97 per case
- These devices must be used in combination with a properly ventilated room and PPE

## What

is the harm of surgical smoke?

- **Immediate**
  - Headache
  - Cough
  - Watering of eyes
- **Long Term:**
  - Chronic Obstructive Pulmonary Disease
    - 69% higher in OR nurses after 15 years
  - HPV for GYN/ENT surgeons
    - Laryngeal papilloma
    - HPV related oral cancers



## How

is HB58 going to change things?

- Surgical services will develop policies to mitigate surgical smoke exposure
- These policies will be required when a license is initiated or renewed
- These policies will create a safer environment for operating room personnel and patients

