

## Ten Reasons Not to Allow E-cigarette Use Inside Your Business

### What are electronic, or e-cigarettes?

E-cigarettes are battery operated devices that heat and vaporize liquid containing nicotine and other toxins.<sup>1</sup> They may look like regular cigarettes, pens or markers, or have other designs. Users inhale and exhale a mix of gases and tiny particles carrying toxins into their lungs and into the air around them. Some smoke-free communities in Kentucky do not allow e-cigarettes to be used indoors.

#### 1. E-cigs pollute the air.<sup>2-4</sup>

- E-cigs give off tiny particles that travel deep into the lungs<sup>5</sup> and the bloodstream, causing disease.<sup>6</sup>
- These particles can reach concentrations almost as high as were found in Lexington businesses before their smoke-free law.<sup>4</sup>

#### 2. E-cigs give off more than just water vapor, including:

- Propylene glycol (lung and eye irritant).<sup>2,3</sup>
- Formaldehyde and  $\beta$ -nicotyrine (cause cancer).<sup>2,3</sup>
- Metal & silicate particles (toxic to human cells).<sup>7</sup>
- Nicotine (addictive and harmful to unborn babies).<sup>2,3</sup>

#### 3. E-cigs undermine smoke-free laws by making enforcement confusing.<sup>8</sup>

- Customers may not patronize your business, thinking regular smoking is allowed.
- Your employees may not know who is violating the law.

#### 4. Delayed regulations on manufacture and sale = no consumer protection.<sup>9,10</sup>

- No way to know what users are breathing in or putting into the air for others to breathe.
- No protection from dangerous design flaws or user modifications.

#### 5. High nicotine levels in e-cig fluid can be deadly.

- High levels of nicotine can be absorbed through spills on the skin or children swallowing the liquid.<sup>10</sup>
- Kentucky has seen a 333% increase in calls to poison control centers from e-cigarettes.<sup>11</sup>

#### 6. E-cig labels may not be accurate.<sup>1</sup>

- E-cigarettes labeled as zero nicotine may still contain nicotine.
- Amounts of nicotine may be more or less than what is on the label.

#### 7. E-smokers are no more likely to quit than regular smokers.<sup>12</sup>

- Many e-cigarette users continue to smoke regular cigarettes as well.
- Smoking even 1-4 cigarettes a day increases risk of dying from heart disease and all causes of death.<sup>13</sup>
- E-cigarettes are not approved by the FDA to help smokers quit.

#### 8. E-cigs appeal to youth, even those who don't smoke.<sup>14</sup>

- Glamorous marketing and sweet, candy-like flavorings (bubble gum).
- 1.78M youth tried e-cigarettes in 2012 (160,000 of them *non-smokers*).<sup>14</sup>
- Youth who use e-cigarettes are more likely to smoke regular cigarettes.<sup>15</sup>

#### 9. Early research shows lung and blood effects similar to smoking.

- Five minutes of e-cigarette use has lung effects similar to tobacco smoke.<sup>16</sup>
- Airways become inflamed after using e-cigarettes containing nicotine.<sup>4</sup>
- Blood cell changes could contribute to heart and blood vessel disease.<sup>17</sup>

#### 10. E-cigs may pollute the air less than regular cigarettes, but they still pollute the air.<sup>2-4</sup>

- Workers and patrons are exposed to secondhand aerosol from e-cigarettes.

**Be Part of the Solution – Keep the Air Clean and Healthy in Your Business!**

## References

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