Outdoor Secondhand Tobacco Smoke Fact Sheet

Tobacco smoke contains at least 172 toxic substances\(^1\), including:

- 3 regulated outdoor air pollutants
- 33 hazardous air pollutants
- 47 chemicals restricted as hazardous waste
- 67 chemicals known to cause cancer in humans and animals

This is true whether tobacco smoke is inhaled in the act of smoking, or inhaled by nonsmokers out of the air indoors or outdoors.

Field studies and controlled experiments were conducted at outdoor patios\(^2\), airports\(^2,3\), parks\(^2\), college campuses\(^3\), city sidewalks\(^2\) and streets\(^4\), parking lots\(^3\), outdoor cafes\(^4\), amusement parks\(^3\), government and office buildings\(^3\), and the open-air area of a cruise ship traveling at 20 knots\(^6\) (about 23 miles per hour).

The results show:

- During smoking, outdoor tobacco smoke levels outdoors may be as high as indoor tobacco smoke levels.\(^3\)
- Being upwind from a smoker outdoors does not eliminate the chemicals from the air.\(^2\)
- People are exposed to higher levels of cancer-causing chemicals in outdoor areas when smoking is occurring than when smoking is not occurring.\(^4\)

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\(^3\) CARB, 2006


\(^5\) Denmark/Boffi