

# NICOTINE IN YOUR BODY & BRAIN



The pathway that nicotine travels in your body to reach and your brain.

## NICOTINE ENTERING THE BODY

Nicotine enters the body through the nose and mouth and is absorbed via the mucosal lining in your airway.



## PULMONARY PATHWAY

Nicotine travels to the lungs and is absorbed into the blood stream

## CARDIOVASCULAR SYSTEM

Blood from the lungs travels to the heart carrying nicotine and is pumped throughout the body



## RENAL & LIVER PATHWAY

Nicotine is processed in the adrenal medulla - located at the top of your kidneys and metabolized in the liver.

## CENTRAL NERVOUS SYSTEM

Nicotine travels in the blood stream and crosses the blood-brain barrier within 10-20 stimulating the release of dopamine.

