

The truth about how Tobacco and Nicotine Harm Mental Health + Brain Development

We know that **tobacco use and nicotine addiction** can harm heart and lung health, but emerging research shows it also negatively impacts **mental health and brain development**.



USING E-CIGARETTES, including vaping products CAN WORSEN DEPRESSION symptoms in youth.

Frequent users of e-cigarettes have2.4 TIMES HIGHER ODDS

of **reporting depression** compared to people who have never used e-cigarettes.



A study has shown **COLLEGE STUDENTS** who use **E-CIGARETTES** — **HAVE HIGHER RATES**

of Attention deficit hyperactivity disorder (ADHD) symptoms.



More than 4 IN 5 YOUTH AND YOUNG

ADULTS SURVEYED said they started using e-cigarettes to decrease stress, anxiety or depression.

In a recent survey of 1,000, 15-to-24-year-olds who frequently use e-cigarettes,



say they DIDN'T KNOW that using these products could actually increase their anxiety and irritability.



Many tobacco users

MISTAKENLY BELIEVE

tobacco products can relieve stress or anxiety, or improve mental health or mood.

This could be due to the

CYCLE OF WITHDRAWAL

SYMPTOMS caused by tobacco use that are followed by temporary relief once they use again.

Studies have suggested that

NICOTINE ALTERS FEAR AND ANXIETY RESPONSES, and

contributes to the development, maintenance and recurrence of anxiety disorders.





KICKING THE ADDICTION to

nicotine can reduce anxiety, depression and stress, and improve positive mood and quality of life.

Nicotine/Tobacco Symptoms:

- Nicotine disrupts memory, attention and drug reward processing — and these effects are even more serious during brain development.
- Young people who use nicotine have a harder time paying attention in class and remembering what's being taught
- Youth exposed to nicotine experience increased difficulty regulating emotional responses well into adulthood.

