4-22-2022

Debunking Medical Myths: Addiction Vs Choice

Chayton Fivecoat  
*Wayne State University School of Medicine*, gh1158@wayne.edu

Hannah O'Brien  
*Wayne State University School of Medicine*, gb1190@wayne.edu

Alexandra Hay  
*Wayne State University School of Medicine*, hi4676@wayne.edu

Sofia Howson  
*Wayne State University School of Medicine*, hh7761@wayne.edu

Catrina Stephan  
*Wayne State University School of Medicine*, gn8169@wayne.edu

*See next page for additional authors*

Follow this and additional works at: [https://digitalcommons.wayne.edu/pat_edu_proj](https://digitalcommons.wayne.edu/pat_edu_proj)

Part of the [Curriculum and Instruction Commons](https://digitalcommons.wayne.edu/pat_edu_proj), [Medical Education Commons](https://digitalcommons.wayne.edu/pat_edu_proj), and the [Public Health Commons](https://digitalcommons.wayne.edu/pat_edu_proj)

**Recommended Citation**

Fivecoat, Chayton; O'Brien, Hannah; Hay, Alexandra; Howson, Sofia; Stephan, Catrina; and Stevenson, Nicholas, "Debunking Medical Myths: Addiction Vs Choice" (2022). *Patient Education Projects*. 316.  
[https://digitalcommons.wayne.edu/pat_edu_proj/316](https://digitalcommons.wayne.edu/pat_edu_proj/316)

This Infographic is brought to you for free and open access by the Patient Education at DigitalCommons@WayneState. It has been accepted for inclusion in Patient Education Projects by an authorized administrator of DigitalCommons@WayneState.
Authors
Chayton Fivecoat, Hannah O'Brien, Alexandra Hay, Sofia Howson, Catrina Stephan, and Nicholas Stevenson

This infographic is available at DigitalCommons@WayneState: https://digitalcommons.wayne.edu/pat_edu_proj/316
Addiction is NOT a choice. Addiction is influenced by many factors including an individual's genetics, environment and upbringing.

INHERITED GENES
Substance abuse and dependence are more influenced by inherited genes than any outside environment, as shown by studies of twins.

GENETIC MUTATIONS
Studies suggest that genetics have a role in addiction. When genes are modified, it is clear that some genetic factors can affect how effective treatment of addiction is. Certain genetic mutations respond better to pharmacological treatment of substance use disorders.

NEIGHBORHOOD
Living in a neighborhood that is disordered generally increases several health risk behaviors. Exposure to community violence is positively associated with early age use of alcohol and marijuana.

CHILDHOOD
Problematic parent-child interactions and parental drugs correlated with higher levels of substance use than in children with more supportive and monitoring parents.

REFERENCES

CREATED BY BROWN 7:
ALEXANDRA HAY, CATRINA STEPHAN, CHAYTON FIVECOAT, HANNAH O'BRIEN, NICHOLAS STEVENSON, SOFIA HOWSON