







# Issue 5

# Storyline

The Neuro Trip: Path to Recovery features the story of Nova Pow, college student and percussionist for The Dimensions. Her superhero alter ego, Magnetic Shock, has the powers of magnetic manipulation and attracting objects. Nova has recently been struggling in her classes since she and her friends began using alcohol, nicotine, and marijuana. Her long-time friends and bandmates, The Dimensions, have noticed a change in her. They have noticed an increase in her alcohol use and know that her marijuana use served as a 'gateway' to nicotine use. She arrives late at a band practice clearly under the influence and needing help. Dr. Al-Kno creates a rocketship that can shrink, which allows the group to journey inside Nova's brain to see what damage the drugs are doing. Will they find evidence of a need to change? Will Nova come to understand the importance of being drug and alcohol free?

#### **About BH WELL**

The University of Kentucky College of Nursing's Behavioral Health Wellness Environments for Living and Learning (BH WELL) research team exists to promote behavioral health and wellness among individuals facing behavioral health challenges. We live DIReCT by prioritizing Diversity, Innovation, Respect, Compassion, and Teamwork.

### Research

Among teens and young adults, polysubstance use (i.e., when two or more substances like alcohol, nicotine, or marijuana are used) is associated with poor mental, behavioral, and physical health outcomes later in life. Understanding ways to prevent and treat polysubstance use is crucial. Adolescents and young adults who use nicotine containing products and marijuana at the same time may be more dependent on nicotine products than marijuana non-users. Using different substances (e.g., alcohol, nicotine, or marijuana) may increase dependency on other substances. As Nova struggles with polysubstance use, her fellow *Dimensions* superheroes assess and explain the damage of these different substances in her brain. By understanding the harmful effects of different substances on her brain, she is motivated to seek evidence-based treatment and support to address her polysubstance use.

Okoli, C.T., Richardson, C.G., Ratner, P.A., & Johnson, J.L. (2008). Adolescents' self-defined tobacco use status, marijuana use, and tobacco dependence. *Addictive behaviors*, 33(11), 1491-1499.

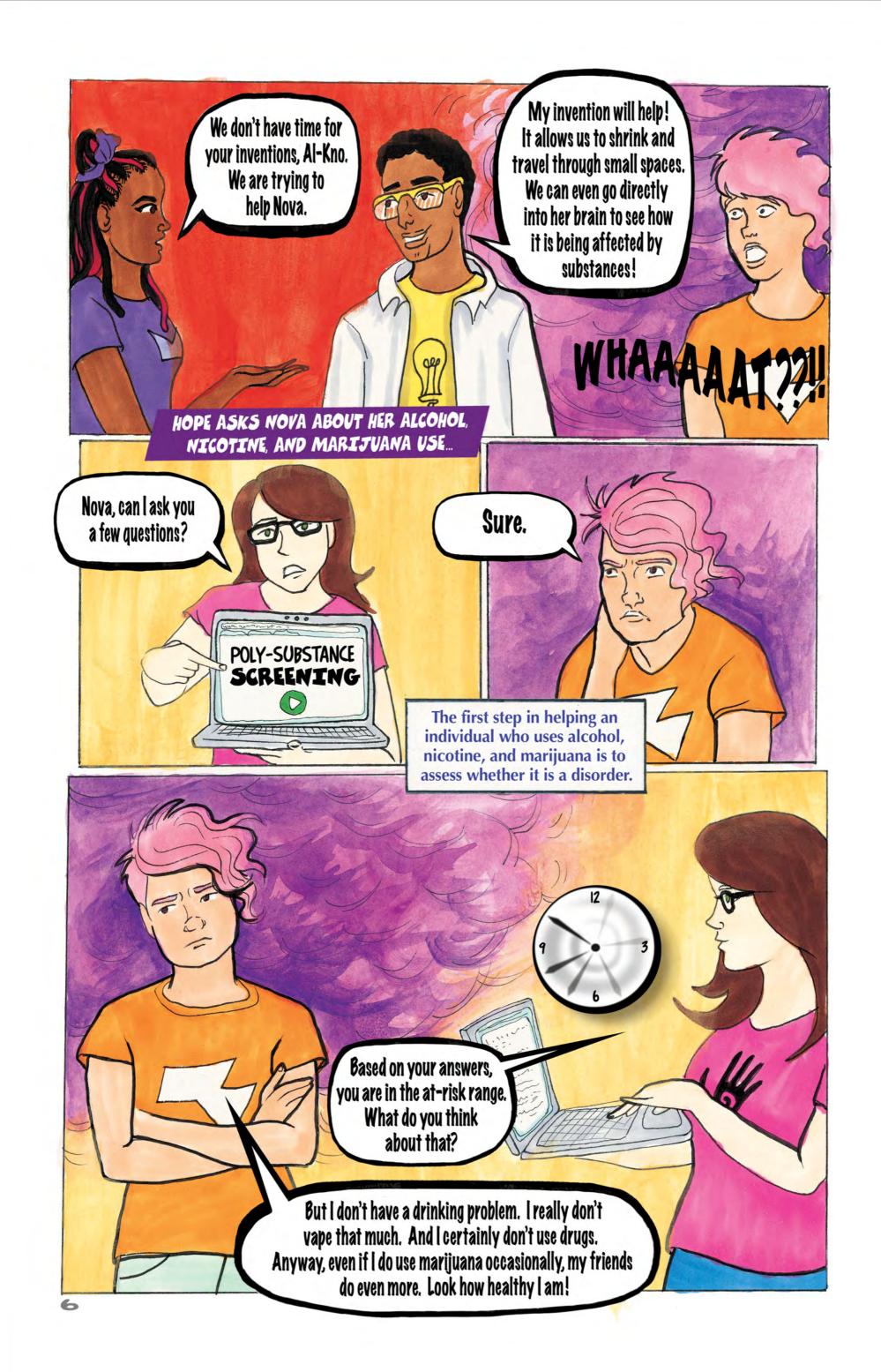
## **Acknowledgements and Credits**

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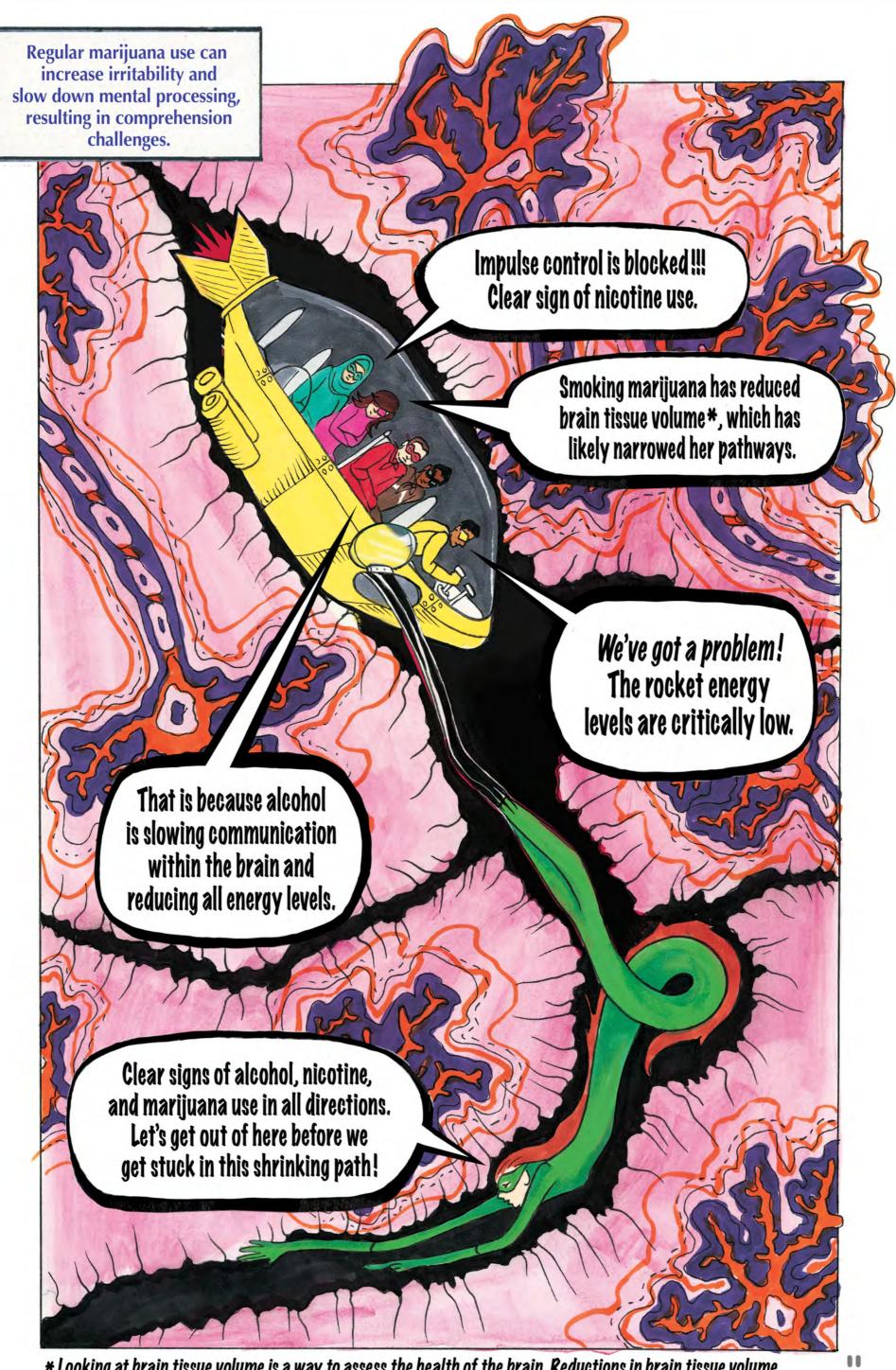






IS USED TO REDUCE ALCOHOL'S ADDICTIVE EFFECTS.

\*\* Nicotine replacement therapy (NRT) is a treatment to help people stop nicotine use. It comes in forms such as gum, patches, or lozenges.



\* Looking at brain tissue volume is a way to assess the health of the brain. Reductions in brain tissue volume suggest poor brain health.

