

The Science Is Clear and Strong:  
THC can cause addiction and mental and physical illnesses.

# MARIJUANA (THC) EFFECTS

## Short-term use

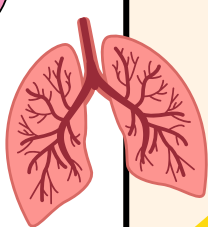
### Brain

- Altered senses, including time
- Changes in mood
- Euphoria
- Lethargy
- Hallucinations, delusions, paranoia, psychosis,
- Impaired motor skills
- Difficulty problem solving and thinking
- Impaired memory, learning
- Poor judgment
- Agitation
- Mania, anxiety
- Worsening of PTSD symptoms



### Lungs

- Difficulty breathing
- Infections
- toxins in marijuana smoke are similar to tobacco smoke



### Heart

- 4.8 Increase risk of heart attack within 60 mins of use
- increased heart rate and blood pressure



### Other Systems

- Genetic damage
- impacts on the Endocrine system



Marijuana products are:

- **More Concentrated (Potent)**
- **More Accessible**
- **More Life-Threatening**
- **More Attractive**



than ever before.



### References

[www.everybrainmatters.org/science](http://www.everybrainmatters.org/science)

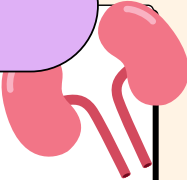
## Long-term use

### Brain

- Cannabis dependence or addiction (CUD)
- Depression, anxiety, mania
- Chronic psychosis or schizophrenia (CIP)
- Increased risk for suicide
- Reduction in developmental pruning
- Smaller brain regions (hippocampus- memory region)
- Diminished visuospatial functioning, verbal learning, short-term memory, cognitive function, executive function attention, and motor skills
- Stroke

### Kidneys

- Kidney failure due to CHS - Cannabinoid Hyperemesis Syndrome



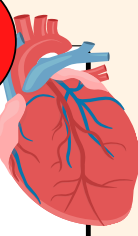
### Lungs

- EVALI (vaping injury), bronchitis, emphysema
- Increased risk for cancer



### Heart

- Cardiovascular disease
- Heart failure due to CHS



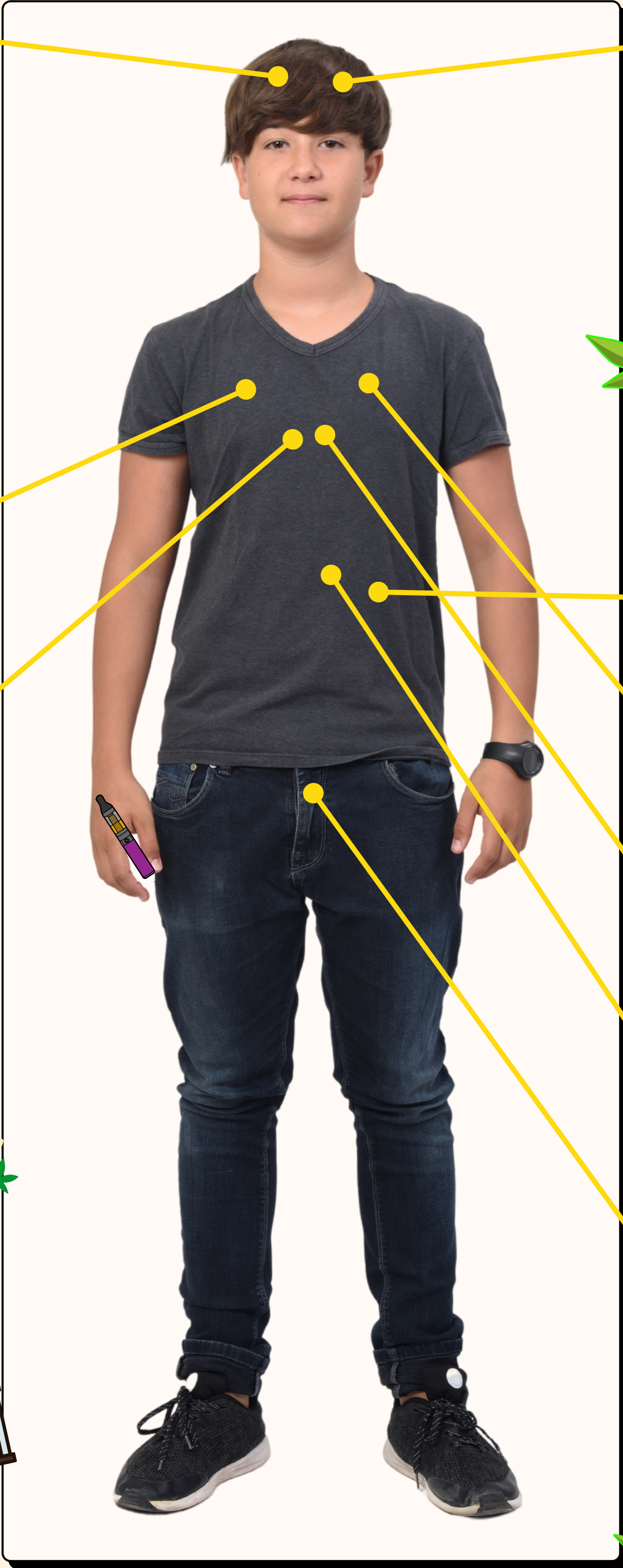
### GI System and Pain

- Cyclic vomiting and abdominal pain (Cannabinoid Hyperemesis Syndrome)



### Male/Female

- Testicular cancer and sperm count
- Increased developmental and mental disorders in children of mothers who use cannabis when pregnant
- Reproductive issues in males and females



**Every Brain Matters** is a community of support, advocacy, and science. Join us, as we call for a cultural change. Our logo unites us and symbolizes both "freedom from marijuana" and optimal brain and environmental health.

Join us to receive more information at:  
**EveryBrainMatters.org** @EveryBrainMatt



*"This is not about a War on Drugs.  
This is about a Defense of our Brains, the repository of our humanity."*

*Dr. Bertha Madras*