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Emerging Technologies and the Measurement of Consciousness

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THE WHAT

What is Consciousness?

Consciousness is the state of awareness of an external environment or of something within oneself; the ability to experience or feel.



QUANTITATIVE RESEARCH HELPS US TO UNDERSTAND THE RELATIONSHIPS BETWEEN MENTAL ACTIVITY & BRAIN ACTIVITY

EMERGING TECHNOLOGIES

&

MEASURING CONSCIOUSNESS

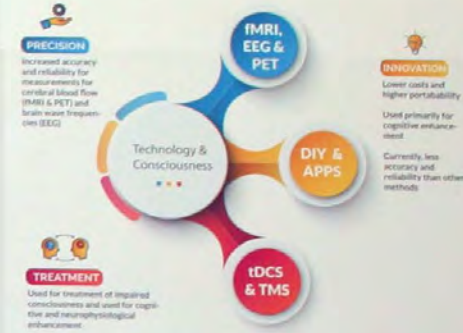
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STATES OF CONSCIOUSNESS



THE HOW

How is it Measured?



NEUROMODULATION (brain stimulation)



NEUROIMAGING



BRAIN WAVES & THEIR FUNCTIONS



MEDITATION



YOUR BRAIN ON DRUGS

Some drugs interact with neural circuits in the brain that use neurotransmitters. There are physical and mental short-term effects of these drugs that include increased heart rate, sleepiness, feelings of relaxation, and stimulation of the senses.

