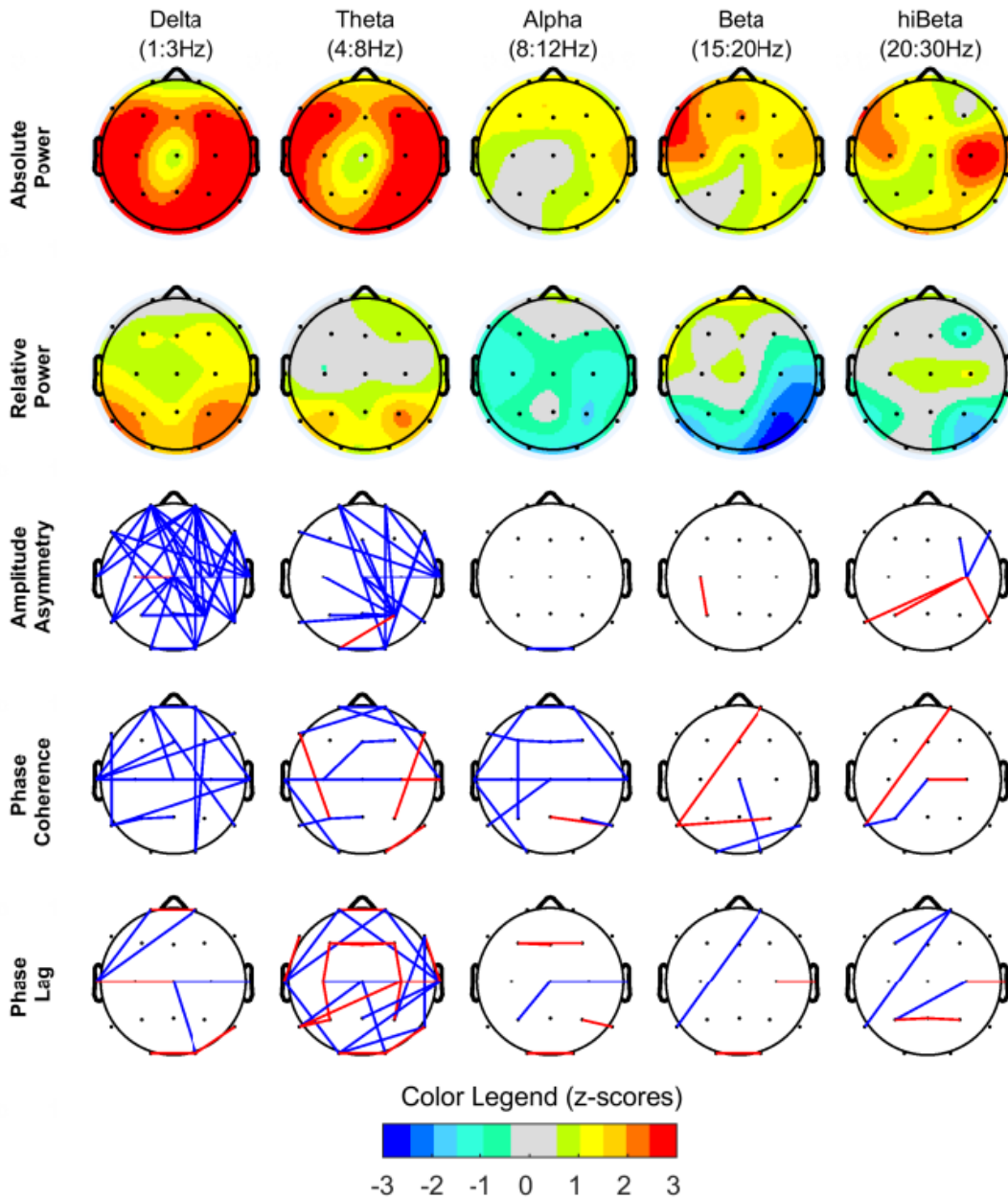


The **Standard assessment** combines both brain and body assessments. You will receive the Stress Test report, plus surface, cortical, and network maps. The addition of the network maps is very helpful to see how well the “symphony of your brain” is working!

Image from Surface Report

Montage: Laplacian
Eyes Open

Summary of the Z-score analyses



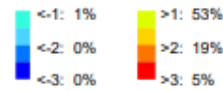
sLORETA Summary



EEG ID: 710355
 Test Date: 2024-08-15
 Age: 40.1
 Gender: Male
 Montage: Linked Ears
 Eyes Closed

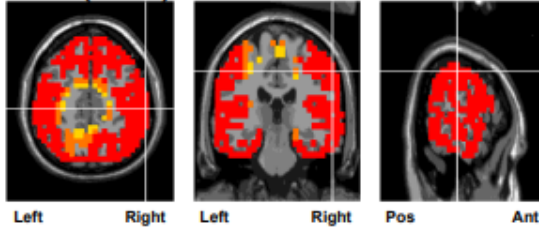
Extreme Z-scores					
Delta: Z=4.9	2 Hz	BA: 3	hiBeta: Z=4.7	34 Hz	BA: 40
Theta: Z=3.8	4 Hz	BA: 40	Gamma: Z=4.4	35 Hz	BA: 40
Alpha: Z=2.1	12 Hz	BA: 10	Alpha1: Z=2	8 Hz	BA: 10
loBeta: Z=2.3	15 Hz	BA: 21	Alpha2: Z=2.1	12 Hz	BA: 10
Beta: Z=2.6	16 Hz	BA: 21			

Percentage Deviant Voxels (1-45Hz)



Delta (1-3Hz)

Z-score: 4.9, Frequency: 2 Hz



Brain Area:

Parietal Lobe
 Postcentral Gyrus
 Brodmann area 3

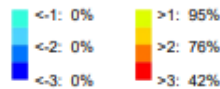
Function:

Proprioception
 Texture Information
 Object Size and Shape
 Body Sensation

Possible Symptoms of Defec

Agraphesthesia
 Asternognosis
 Hemihyesthesia
 Loss of Vibration
 Proprioception
 Fine Touch
 Hemineglect
 Reduction in Nociception
 Thermoception
 Crude Touch
 Dysfunction in size/shape/texture
 discrimination
 Chronic Pain (R)

Percentage Deviant Voxels Delta (1-3Hz)

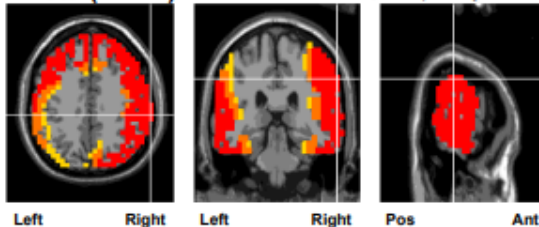


Online information:

https://en.wikipedia.org/wiki/Brodmann_area_3
www.fmriconsulting.com/brodmannBA3.html

Theta (4-7Hz)

Z-score: 3.8, Frequency: 4 Hz



Brain Area:

Parietal Lobe
 Inferior Parietal Lobule
 Brodmann area 40

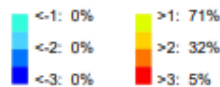
Function:

Somatosensory

Possible Symptoms of Defect:

Fibromyalgia
 Migraines
 Slow Reading
 Difficulty with Social Cues (R)
 Dyscalcula
 Dyslexia (L)
 Agnosia (R)
 Denial (R)
 Letter Perception Problems (L)
 Insensitive to Others' Emotional Expressions (R)
 Receptive Language Problems (L)
 Facial Recognition Problems
 Spatial Orientation Problems (R)
 Poor Social Skills (R)

Percentage Deviant Voxels Theta (4-7Hz)

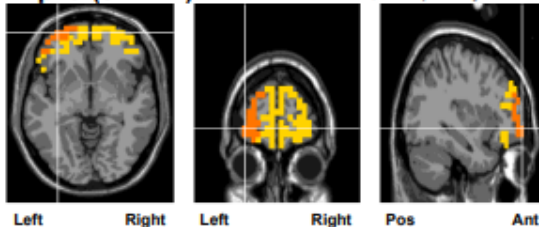


Online information:

https://en.wikipedia.org/wiki/Brodmann_area_40
www.fmriconsulting.com/brodmann/BA40.html

Alpha (8-12Hz)

Z-score: 2.1, Frequency: 12 Hz



Brain Area:

Frontal Lobe
 Middle Frontal Gyrus
 Brodmann area 10

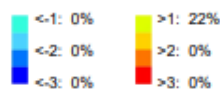
Function:

Strategic Processes
 Memory Recall
 Some Executive Functions
 Executive Emotion And Planning

Possible Symptoms of Defect:

Executive Function Problems
 Compulsive Thoughts or Behaviors
 Impulsive
 Oppositional
 Concentration Problems
 Amnesia
 Aphasia
 Anger Control Problems
 Low Motivation
 Mood Swings
 Delusional
 Failure to Initiate Actions
 Obsessive Thoughts about Self
 Multitasking Problems

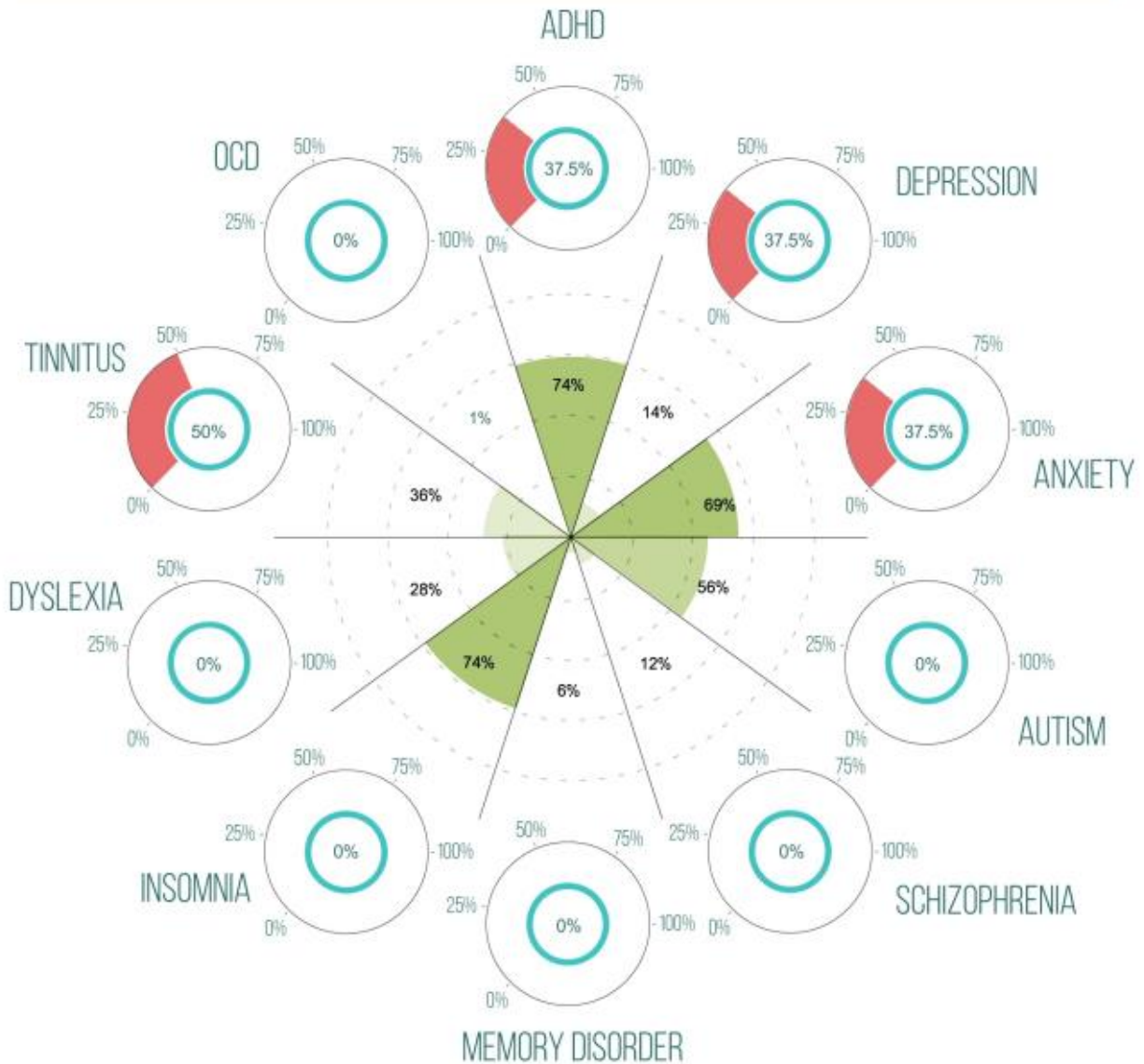
Percentage Deviant Voxels Alpha (8-12Hz)



Online information:

https://en.wikipedia.org/wiki/Brodmann_area_10
www.fmriconsulting.com/brodmann/BA10.html

BRAIN WAVES PROFILE:
EEG BIOMARKER MATCH



The red bars reflect the patient's symptom severity.



The relationships between the patient's brain activity deviations and the patient's symptoms are depicted in the green pie chart. The stronger the presence of certain biomarkers for a particular disorder, the larger the segment. The color intensity depicts the scientific support for the association between these markers and the disorder.

THE DEFAULT MODE NETWORK

The Default Mode Network (DMN) is active during rest and is associated with self-reflective processes or mental simulation. Low DMN activity may reflect an inability to switch from a task-oriented state to a rest-oriented state. Abnormal DMN activity has been associated with a number of psychological disorders.

NETWORK ACTIVITY

The DMN consists of frontal brain areas that are known to be involved in higher executive functions such as working memory, planning and cognitive control. The Angular Gyrus is known to be involved in allocation of attention and the Posterior Cingulate Gyrus is associated with self-referential processes.

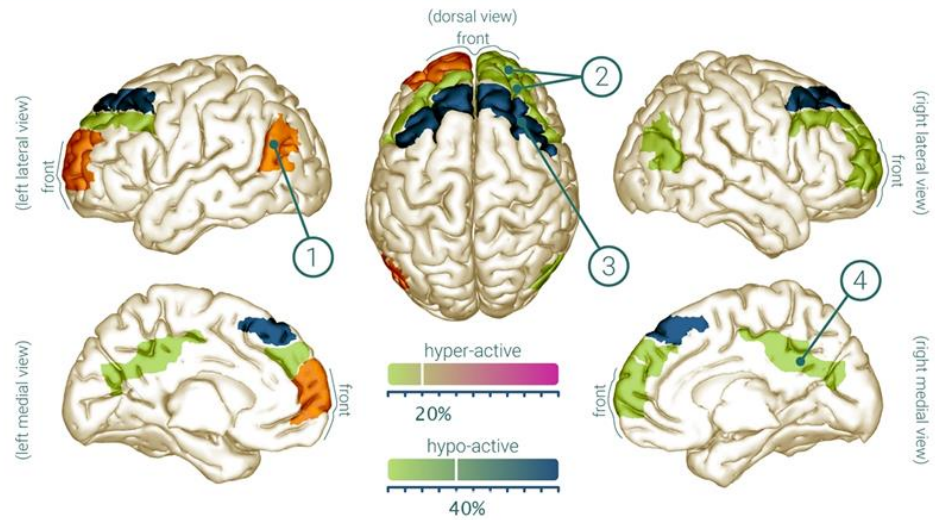
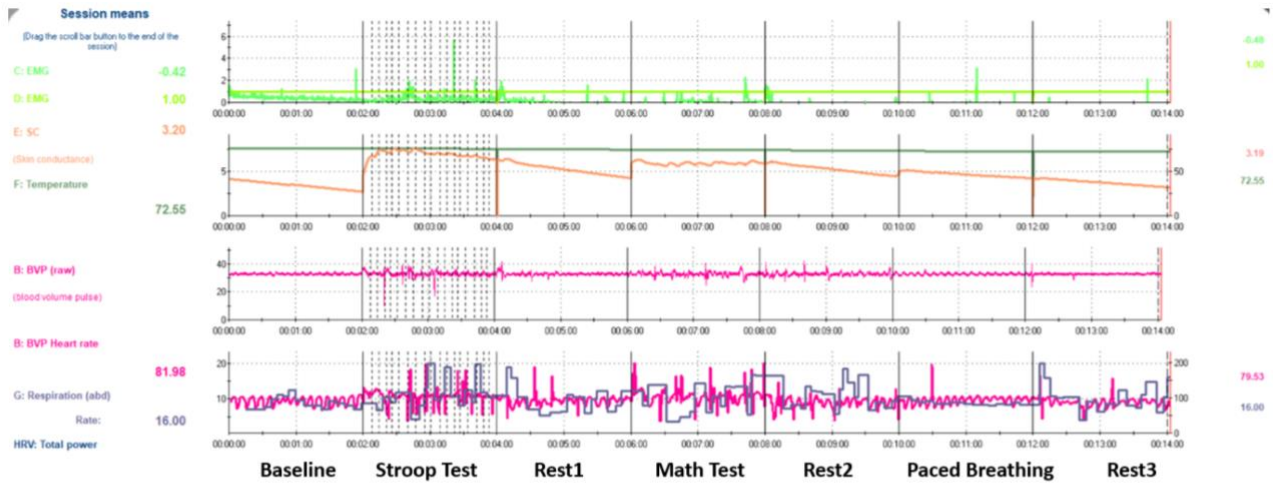


Image from Stress Report



	EMG (uV)	SC (uS)	Temp (F)	HR (beat/min)	Respiration (b/min)
Baseline	0.38	3.44	76.28	92.56	8.83
Stroop Test	0.25	6.92	75.77	106.09	11.40
Rest1	-0.04	5.25	75.11	93.44	9.76
Math Test	-0.07	5.92	74.33	107.17	10.36
Rest2	-0.02	5.24	73.74	88.85	10.77
Paced Breathing	-0.24	4.66	73.02	95.20	8.71
Rest3	-0.42	3.75	72.63	88.97	10.28