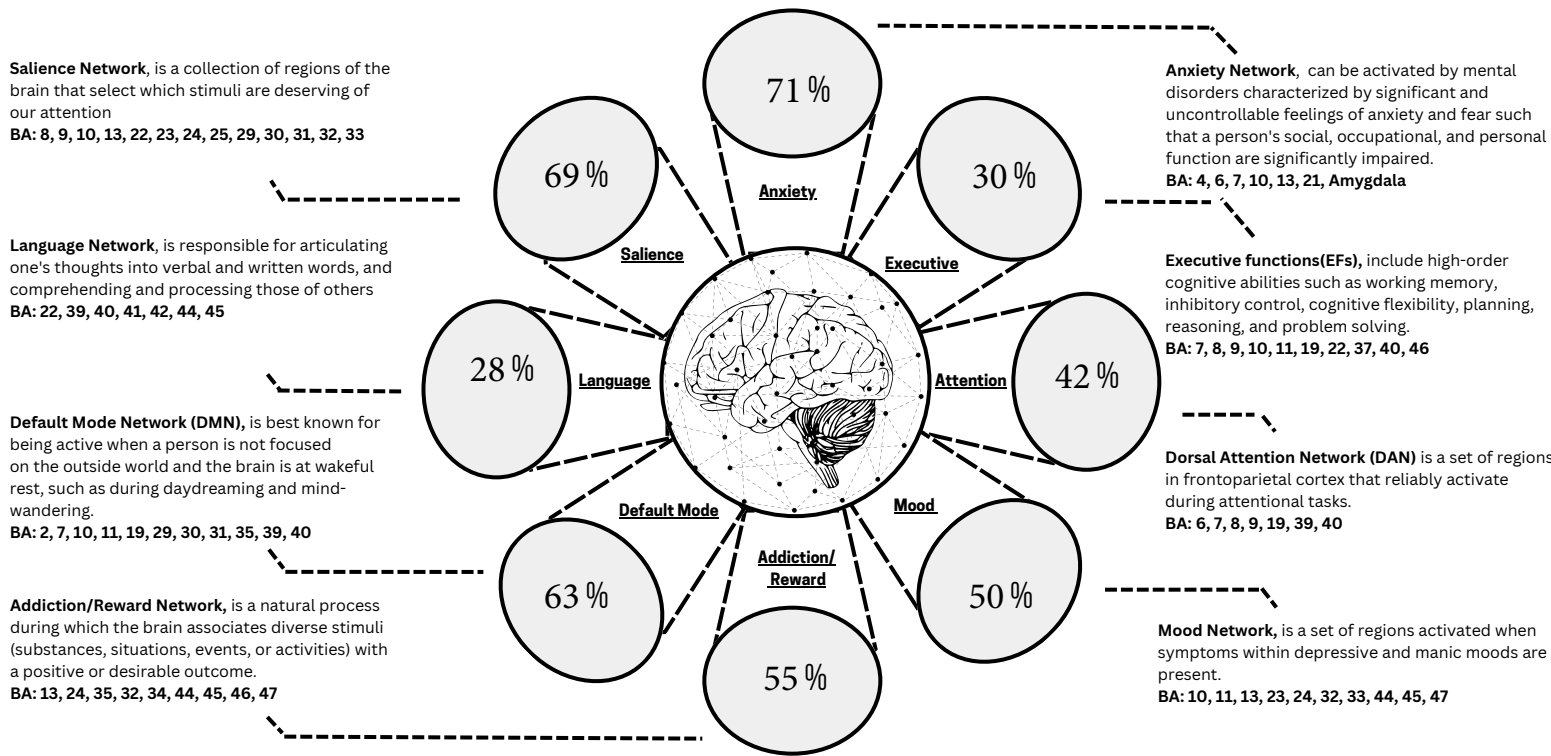


Brain Health BaselineSM

Network Efficiency



Biomarker Data Summary

Eyes Closed Atypical Findings

See Reverse For Explanation

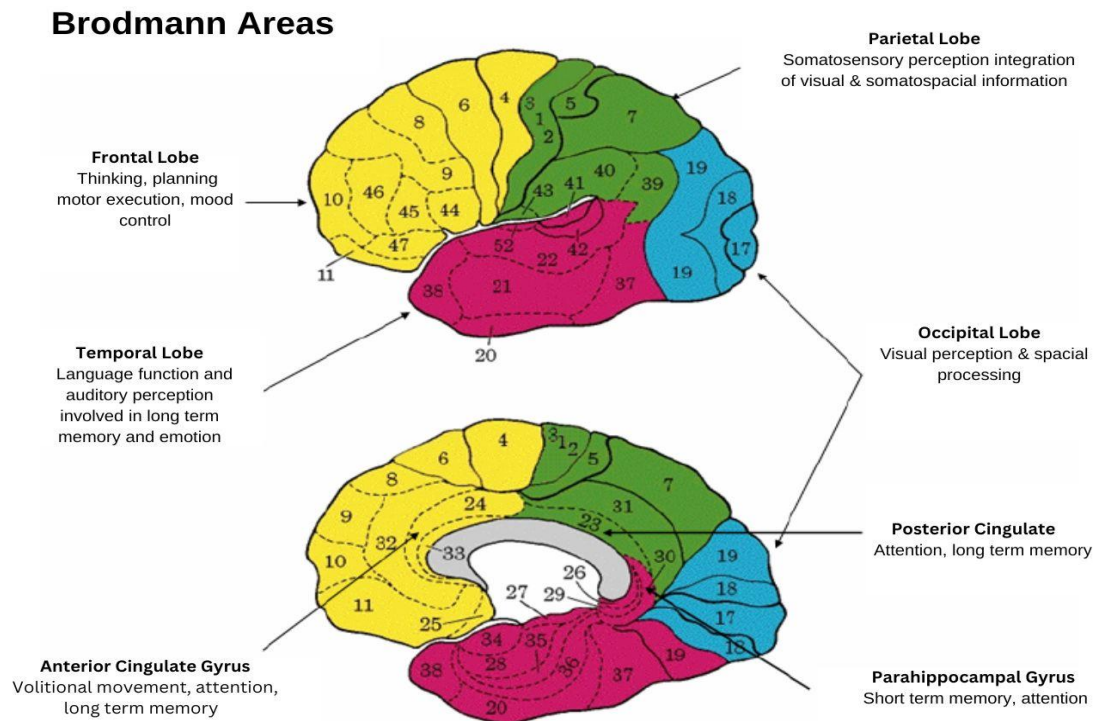


Summary is based solely on the BrainView electrophysiology biomarkers and limited patient history, if any, provided by the medical practice. Finding summaries are made without knowledge of the full extent of the patient's conditions, medications, or other medical lab values. Any diagnosis is the sole responsibility of the licensed rendering medical provider after examination, lab tests and/or other clinical findings as necessary. Physiological and non-physiological artifacts (ie. as eye movement, chewing, electrical phenomena, muscle movement, and sweat) may alter results.

sLORETA

Eyes Closed: Brain Map - Atypical Findings

Network Efficiency



- Network health is dependent on the health of each associated Brodmann area.
- Networks are comprised of Brodmann area hubs and nodes.
- Network efficiencies are determined by their relationship to *actual* functional deficits – if there is a symptom associated with a particular network and we observe dysregulation in the maps then we have an overlap of symptoms with observed dysregulation.
- Compensatory networks are those where we have observed dysregulation in the maps, but no symptoms associated with that dysregulation.

Biomarker Data Summary

- Peak Frequency – reliable and stable biomarker for cognitive processing (information processing speed) and attention.
- Theta/Beta ratio – biomarker of attention, particularly in children, adolescents, and young adults. CAUTION: medications (stimulants and/or sedative/hypnotics) will affect this biomarker (consult both linked ears and Laplacian T/B ratios).
- Frontal Alpha Asymmetry – reliable biomarker for *some* types of depression when left frontal alpha amplitude is elevated over right frontal alpha amplitude. When frontal midline alpha is significantly elevated, attentional issues are common, with or without mood issues.
- Auditory and visual evoked potentials are reliable and stable biomarkers for TBI, mood disorders, and substance use disorders, among others.