

Individual Sleep Analysis Report

Subject ID: 11 | Sleep Difficulty Study

Analysis Date: August 16, 2025 | Nights Analyzed: 2 | Report Generated by: Sleep-EDF Analysis System

Subject Information

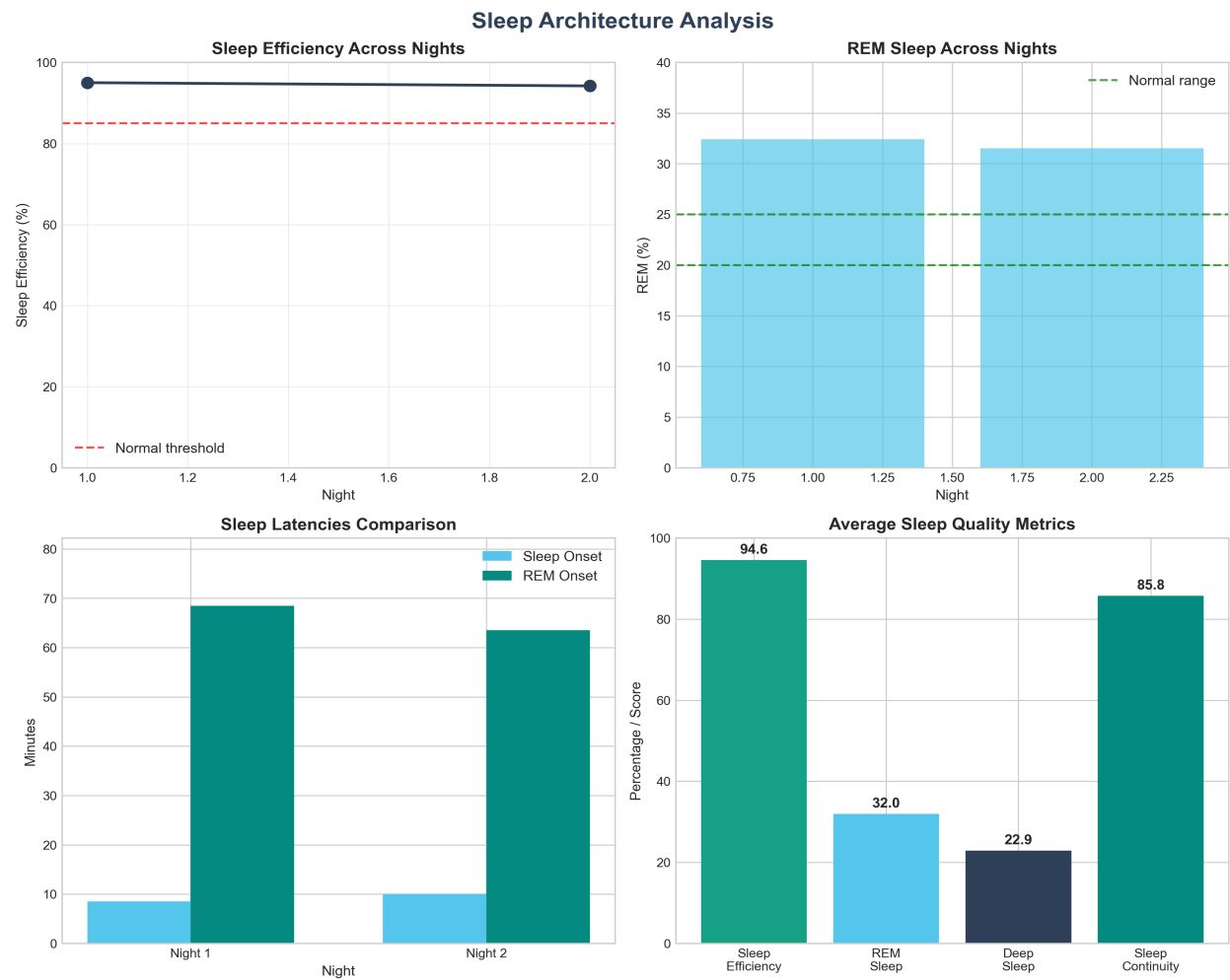
Subject ID	11
Age	21 years
Sex	F
Study Type	Sleep Difficulty
Number of Nights	2
Recording Dates	Multiple nights
Study Conditions	temazepam, placebo

Executive Summary

This report presents a comprehensive analysis of 2 night polysomnographic recordings for Subject 11, a 21-year-old F participant from the Sleep Telemetry (sleep difficulty) study under temazepam and placebo conditions.

Metric	Value	Clinical Interpretation
Sleep Efficiency	94.6%	Normal ($\geq 85\%$)
Sleep Latency	9.2 min	Normal ($\leq 30\text{min}$)
REM Latency	66.0 min	Normal (60-120min)
REM Sleep	32.0%	Atypical
Wake After Sleep Onset	14.2 min	Normal ($\leq 30\text{min}$)

Sleep Architecture Analysis

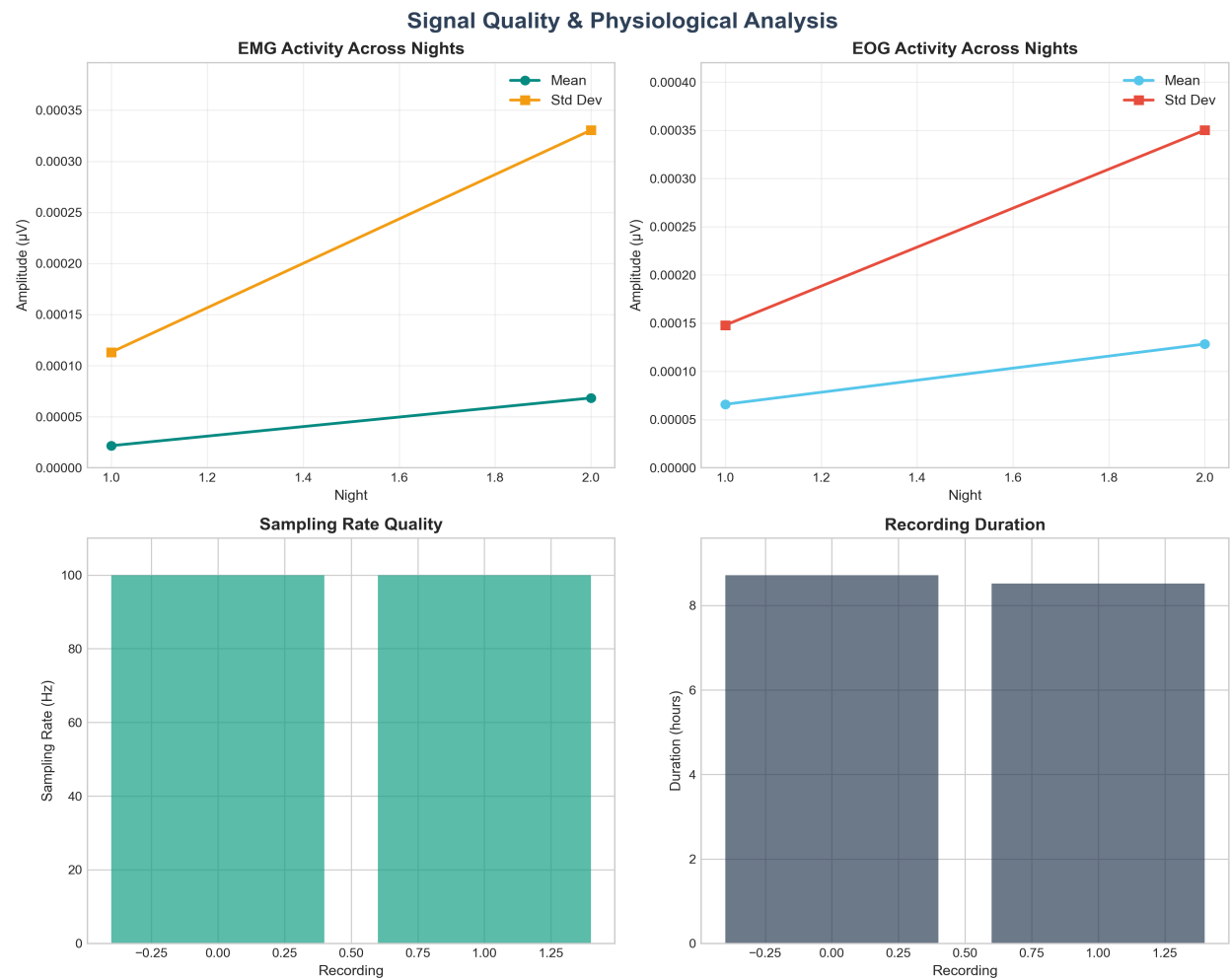


Neurophysiological Analysis - EEG Power Spectrum

EEG Power Spectral Analysis

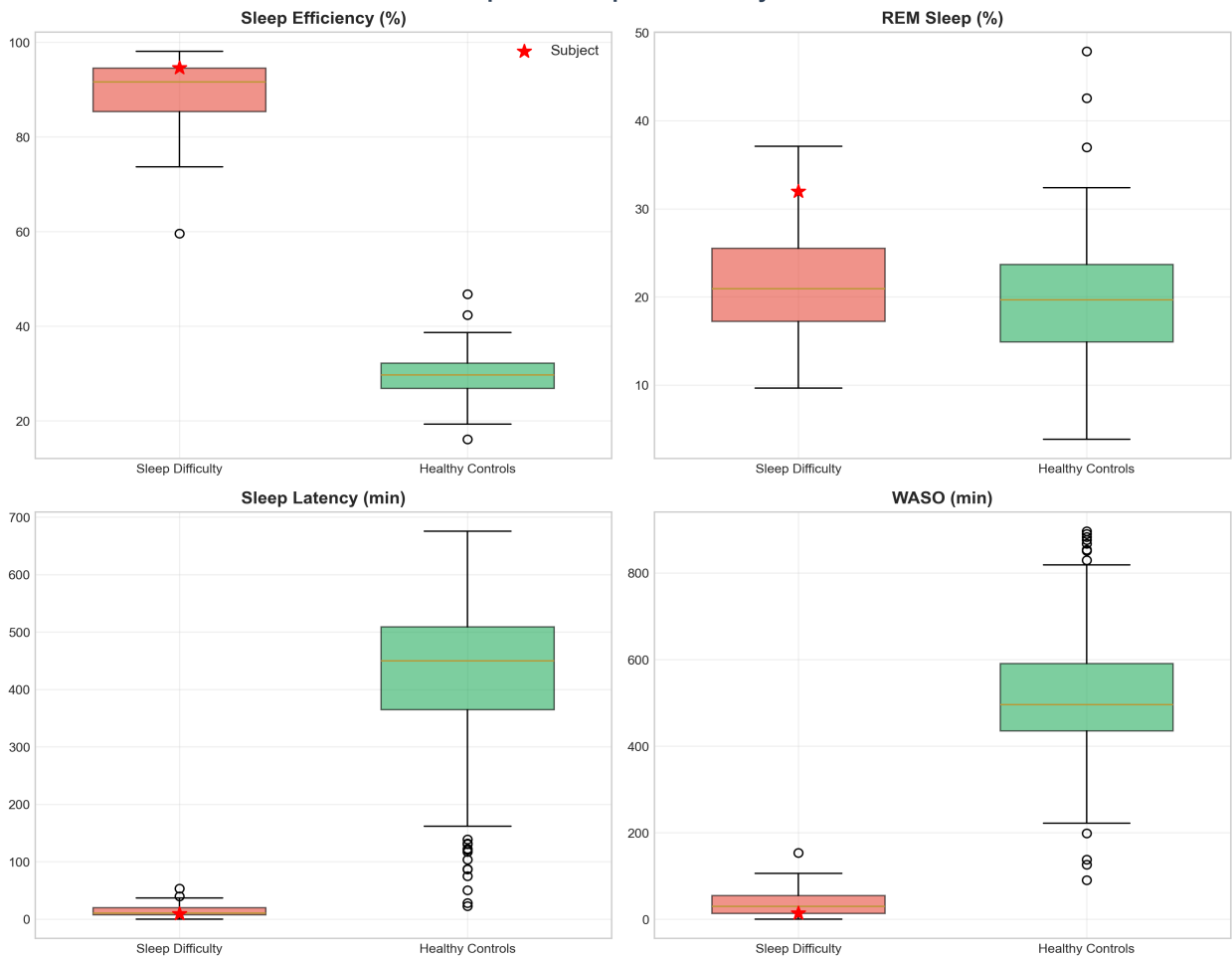


Signal Quality & Physiological Assessment



Population Comparative Analysis

Comparative Population Analysis



Clinical Interpretation & Recommendations

Overall Sleep Health Assessment

Sleep Quality Level: **GOOD**

Excellent to Good sleep quality with most metrics within normal ranges. The subject's sleep architecture shows:

- Sleep Efficiency: 94.6% (Normal)
- REM Sleep: 32.0% (Atypical)
- Deep Sleep: 22.9% (Adequate)
- Sleep Continuity: Good (WASO: 14.2 min)

Key Findings

- **Good Sleep Efficiency:** At 94.6%, sleep efficiency is within normal range, indicating good sleep quality.
- **Elevated REM Sleep:** REM sleep comprises 32.0% of total sleep, which is above the typical range of 20-25%.
- **Adequate Deep Sleep:** Deep sleep stages comprise 22.9% of sleep, indicating good restorative sleep.

Recommendations

- Continue current sleep practices as sleep quality metrics are within normal ranges
- Maintain good sleep hygiene for continued sleep health

Report Analysis and Generation:

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