# Echo Simulation – Diagnostic Flow & Interaction Summary

🛠️ Developer Note: This document outlines the outcome of a simulated user interaction with the MiFam Echo diagnostic engine. It captures symptom-based score calculations, tier categorization, and triggered interaction flows such as branching or comparison views.

## 📊 Diagnosis Score Summary (Run 1)

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| --- | --- | --- |
| Diagnosis | Score | Echo Tier |
| C-PTSD | 4.0625 | Tier 2 – Moderate signal |
| BPD | 3.6875 | Tier 1 – Light presence |
| PMDD | 2.0 | Tier 1 – Light presence |
| Depression | 1.875 | Tier 0 – Not significant |
| GAD | 1.5625 | Tier 0 – Not significant |
| Bipolar II | 1.0 | Tier 0 – Not significant |
| Autism | 0.875 | Tier 0 – Not significant |
| PTSD | 0.75 | Tier 0 – Not significant |
| ADHD | 0.5 | Tier 0 – Not significant |

## 📈 Summary: Final Diagnosis Scores (Full Session)

|  |  |  |
| --- | --- | --- |
| Diagnosis | Total Score | Echo Tier |
| C-PTSD | 6.125 | Tier 3 – Strong pattern: Echo suggests further exploration. |
| BPD | 5.0625 | Tier 2 – Moderate signal: Echo invites discussion and insight. |
| Depression | 3.75 | Tier 1 – Light presence: Echo notes similarity, low match. |
| PMDD | 3.125 | Tier 1 – Light presence: Echo notes similarity, low match. |
| ADHD | 3.0625 | Tier 1 – Light presence: Echo notes similarity, low match. |
| Autism | 2.0625 | Tier 1 – Light presence: Echo notes similarity, low match. |
| PTSD | 1.625 | Tier 0 – Not significant at this time. |
| GAD | 1.4375 | Tier 0 – Not significant at this time. |
| Bipolar II | 0.875 | Tier 0 – Not significant at this time. |

## 🎛️ Interaction Triggers Summary

* Top Diagnosis 1: C-PTSD (4.0625)
* Top Diagnosis 2: BPD (3.6875)
* Top Diagnosis 3: PMDD (2.0)
* Branch Triggered: No
* Compare View Triggered: No
* Vault Card Offered: C-PTSD

These simulation results help verify that Echo’s tier-based scoring, pattern interpretation, and interface branching logic are functioning as intended. Use this document as a test artifact or QA reference.