# Echo Dynamic Follow-Up Logic – Sample Path: Impulsivity

🛠️ Developer Note: This document illustrates how Echo dynamically follows up on symptom signals that activate at moderate-to-high intensity (typically a score of 3.0 or more on the 1–10 scale). Each response further refines the user's diagnostic profile and contributes to branching outcomes. This logic is implemented in real-time during the Echo flow.

## 🏋️ Initial Symptom Trigger

User rates "Impulsivity" at 3.0 or higher

## ✅ Diagnosis Overlaps

\* ADHD  
\* BPD  
\* Bipolar II  
\* (Minor overlap: CPTSD)

## 🔀 Branch Initiation

Echo says:  
  
"That kind of impulsivity shows up in a few different patterns — sometimes it’s energy-driven, sometimes emotion-driven. Can I ask a few quick questions to help us understand how yours shows up?"

## ❓ Follow-Up Questions

### Q1: Does your impulsivity usually happen in moments of high emotion or conflict?

\* "Yes, especially when I’m upset or scared" → +0.5 BPD, +0.25 C-PTSD  
\* "Not really, it happens randomly" → +0.5 ADHD  
\* "Only when I’m feeling really great or energized" → +0.5 Bipolar II

### Q2: How do you feel afterward?

\* "Ashamed or regretful" → +0.5 BPD, +0.25 Depression  
\* "Fine — just on to the next thing" → +0.5 ADHD  
\* "A bit embarrassed, but I rationalize it" → +0.25 OCD, +0.25 GAD

### Q3: Do you notice any patterns in when this happens?

\* "Before my period or during mood swings" → +0.5 PMDD, +0.25 Bipolar II  
\* "When I'm bored or under-stimulated" → +0.5 ADHD  
\* "During social stress or relationship tension" → +0.5 BPD, +0.25 C-PTSD

## 🔄 Follow-Up Score Integration

Each answer adds weight to diagnosis scores. These scores get rolled into the main tally and re-evaluated for branching.  
  
Echo then continues:  
  
"Thanks for sharing that — it gives a much clearer picture. Based on your answers, this impulsivity leans more toward [highest-scoring match]. Would you like to explore how that plays out in real-life experiences or coping strategies?"

## 🧳 Future Dynamic Paths (Coming Soon)

\* Overthinking / Rumination → GAD vs OCD vs CPTSD vs Depression  
\* Shame / Worthlessness → Depression vs CPTSD vs Autism  
\* Relationship Chaos → BPD vs CPTSD vs PMDD  
\* Meltdowns / Rage → Autism vs PMDD vs BPD vs Bipolar

These follow-ups allow Echo to clarify overlapping patterns without overwhelm, increasing accuracy and emotional safety.