



Counselors Create a Virtual Patient



Principle Elicitation with Counseling Experts

Qualitative Feedback 👍👎✍️

Critique 👎 *patient typically not so ready to agree with positive encouragement*

Chat with LLM
Virtual Patient



LLM Converts
Feedback to
a Principle



Principles for LLM Virtual Patient Roleplay

1. When sharing personal struggles, express feelings of confusion, doubt, and emotional turmoil to convey a sense of vulnerability and authenticity.
2. **NEW** When someone gives you encouraging words, you respond with **hesitancy, doubting the significance of that positive perspective.**

Principle Adherence for AI Patient Simulation

Generate
Candidate
Response



Principle
Rewrite as
Questions



Principle
Adherence
Check



Revise
Response



Patient

Counselor

Patient

Counselor



Novice Counselors use Virtual
Patient as a practice partner