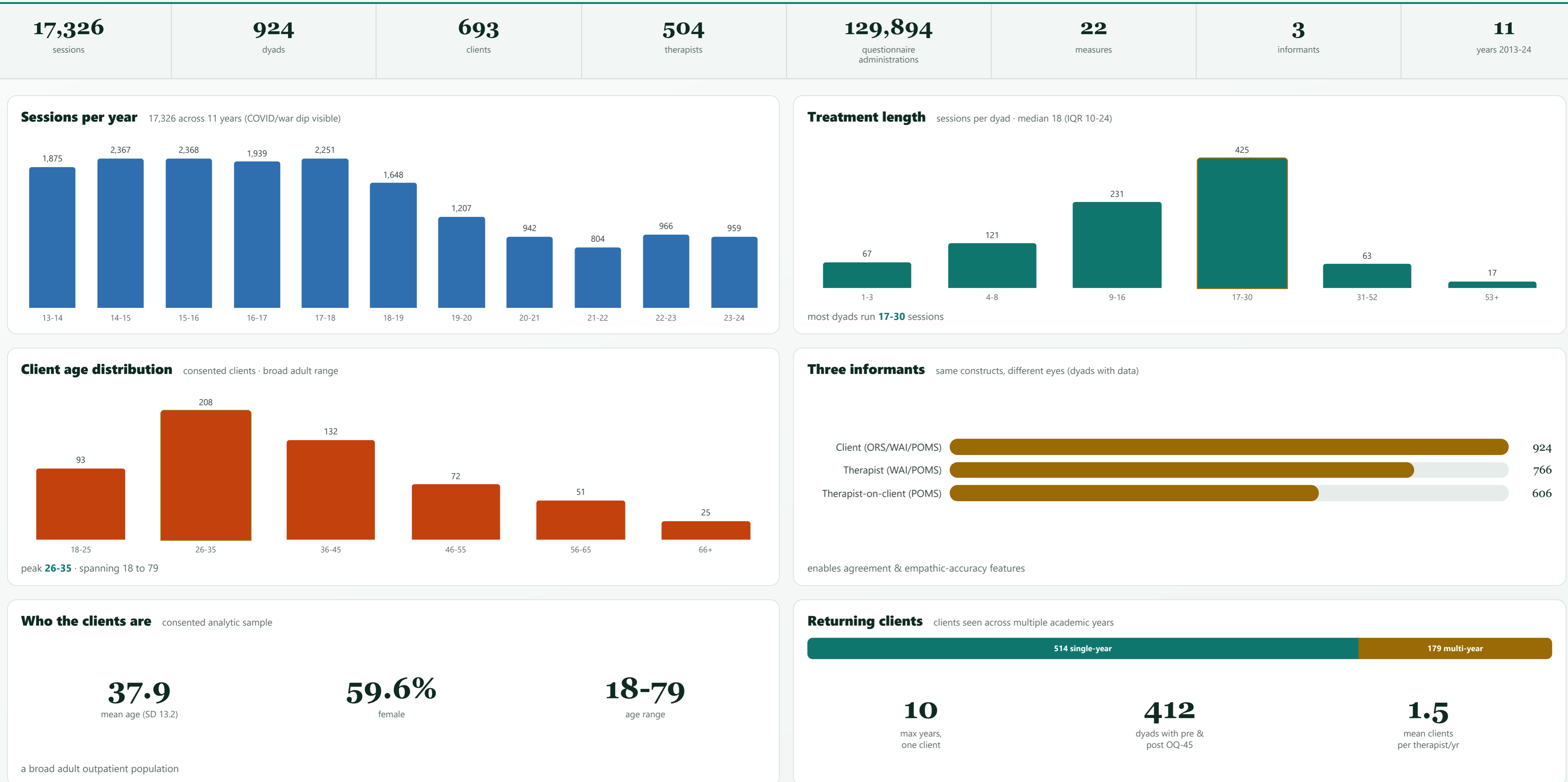


◆ THE QUESTION WE SET OUT TO ANSWER ◆

# Can routine outcome monitoring — questionnaires only, no session text — be turned into a personalized forecast of who improves, in which domain, and who is at risk of deterioration?

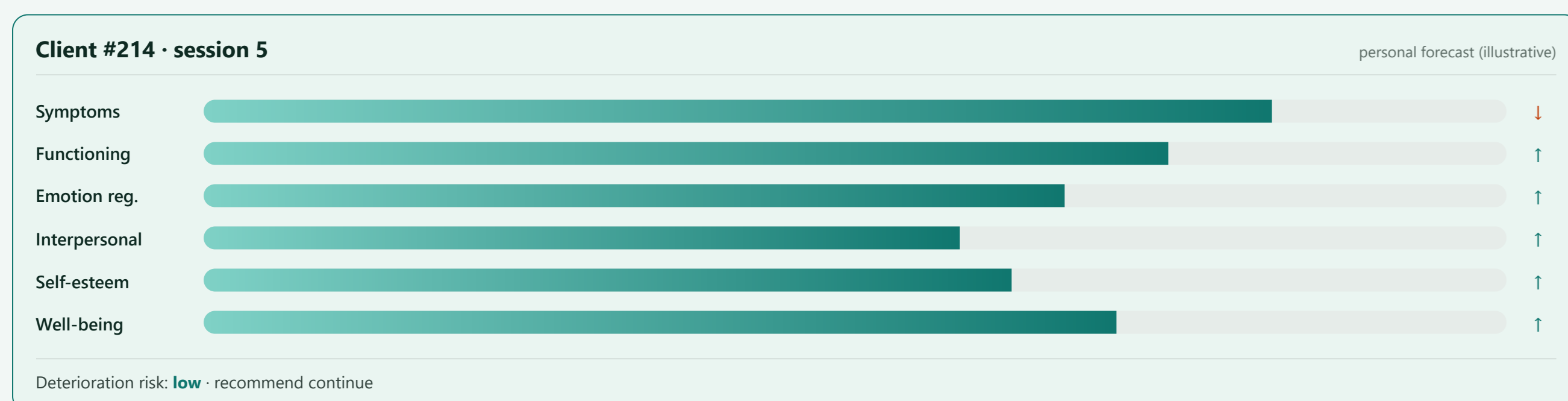
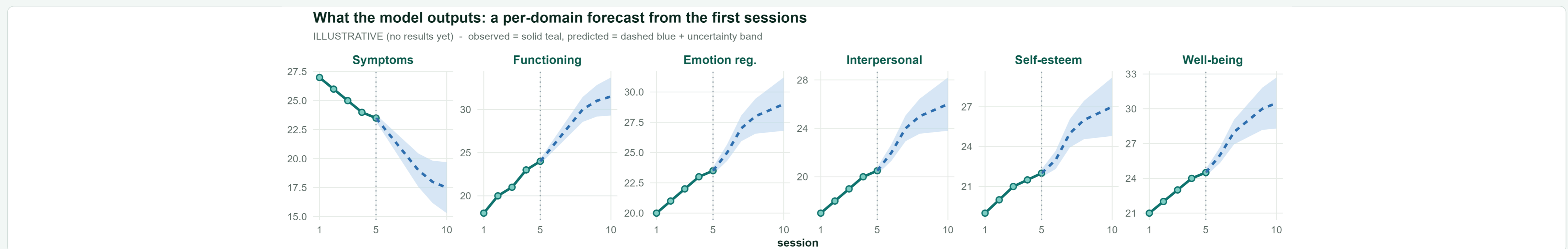
We set out to answer this with **11 years** of the clinic's routine data — a broad, multi-informant, session-by-session battery.

**OUR APPROACH** a two-phase machine-learning program — **benchmark** a per-client outcome forecast at **session 3-5**, then **personalize** it by domain & flag deterioration



## HOW WE WILL ANSWER IT

a two-phase machine-learning program · questionnaires only · figures are illustrative (no results yet)



**Phase 1 · Benchmark**  
At session 3-5, baseline + early sessions forecast each client's outcome, and we establish how accurately it can be done.

**Phase 2 · Personalize**  
Trajectory-predicts-trajectory, data-driven profiles, SHAP explanations, deterioration flags, and per-client predicted gains via interactions.

