CASE STUDY

Application of ML/AI with Multi-dimensional Pain Assessments

Location: University of Colorado, Boulder

Condition: Lower Back Pain (LBP)

Number of Patients: 151

Pilot Period: 6 months

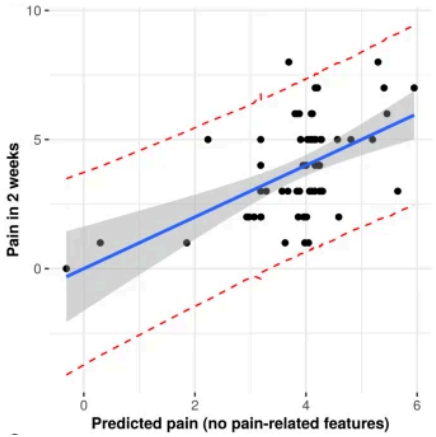
Collaborators:

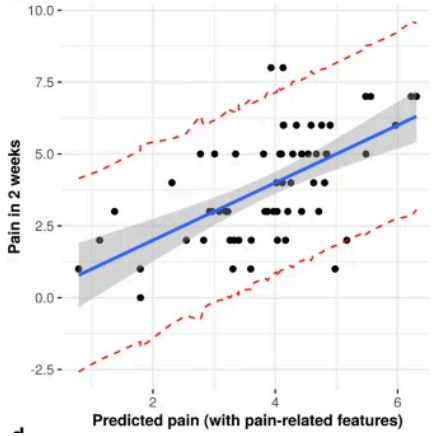
The Therapeutic Encounter Foundation

The Radiological Society of North America

The Psychophysiologic Disorders Society

National Institutes of Health (NIH)





results

Validated pain predictions based on patient-reported outcomes with pain and emotional wellbeing in LBP patients using cliexa mobile platform.

Study presented promising ability to predict LBP patients' levels of pain 2 weeks later, using two sets of predictive features, bodily expressions and feeling ratings with pain-related features.

https://clinicaltrials.gov/ct2/show/NCT03294148?cond=NCT+%2303294148&draw=2&rank=1

https://link.springer.com/article/10.1007/s13311-020-00886-7