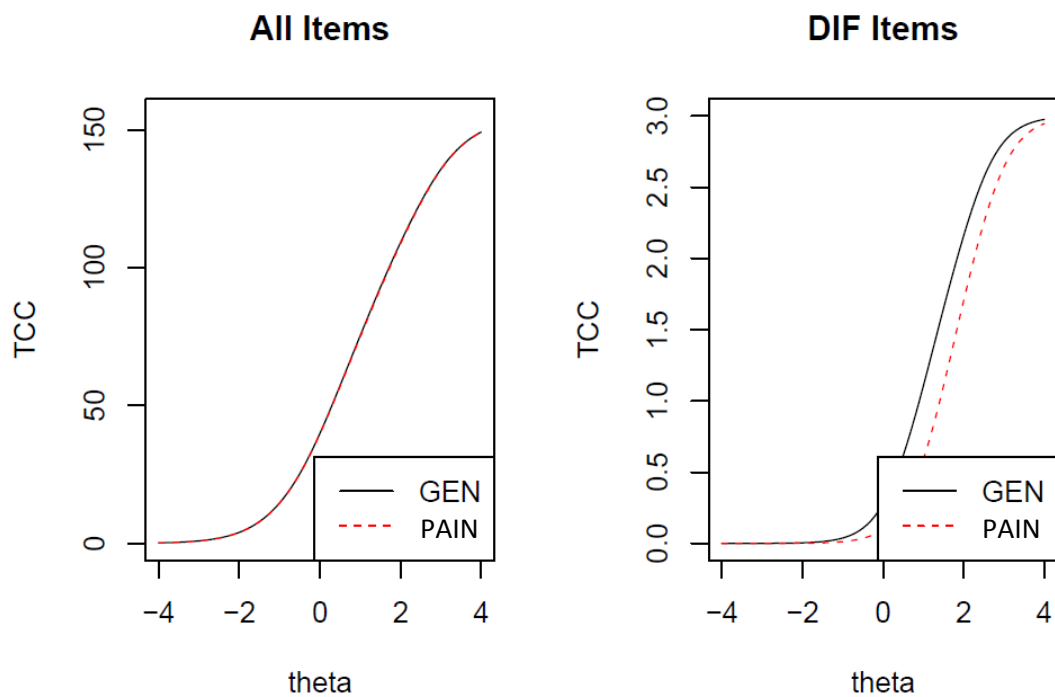


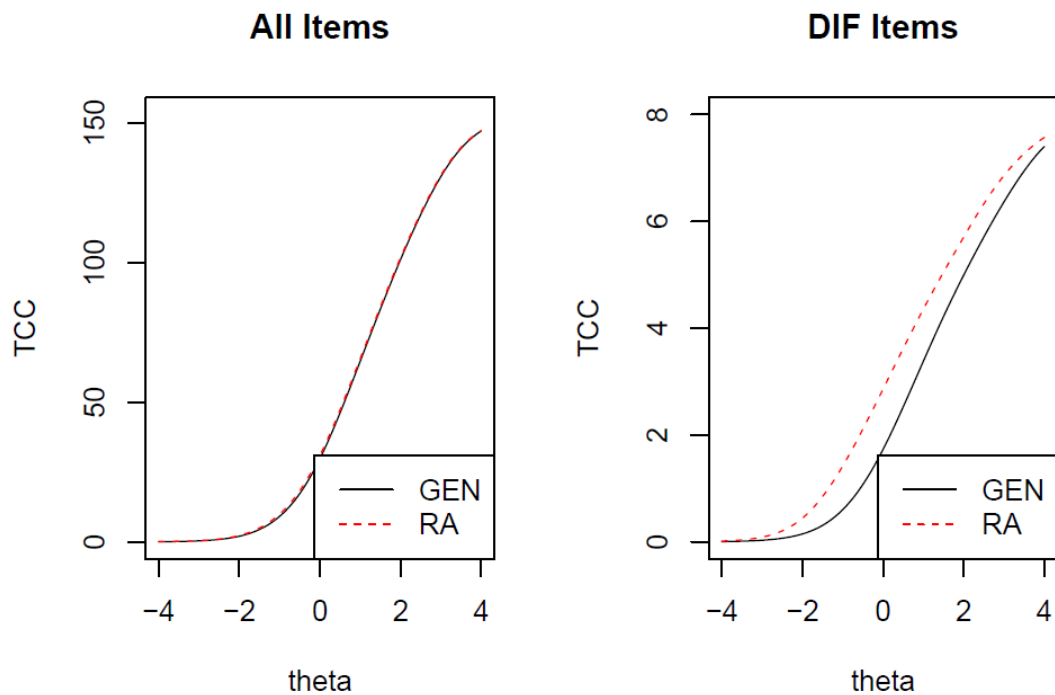
**Appendix 3:** The test characteristic curves per comparison with DIF and the item characteristics plots for all DIF items of the PROMIS Pain Behavior bank

Test characteristic curves:

**Chronic Pain (PAIN) vs. General Population (GEN)**



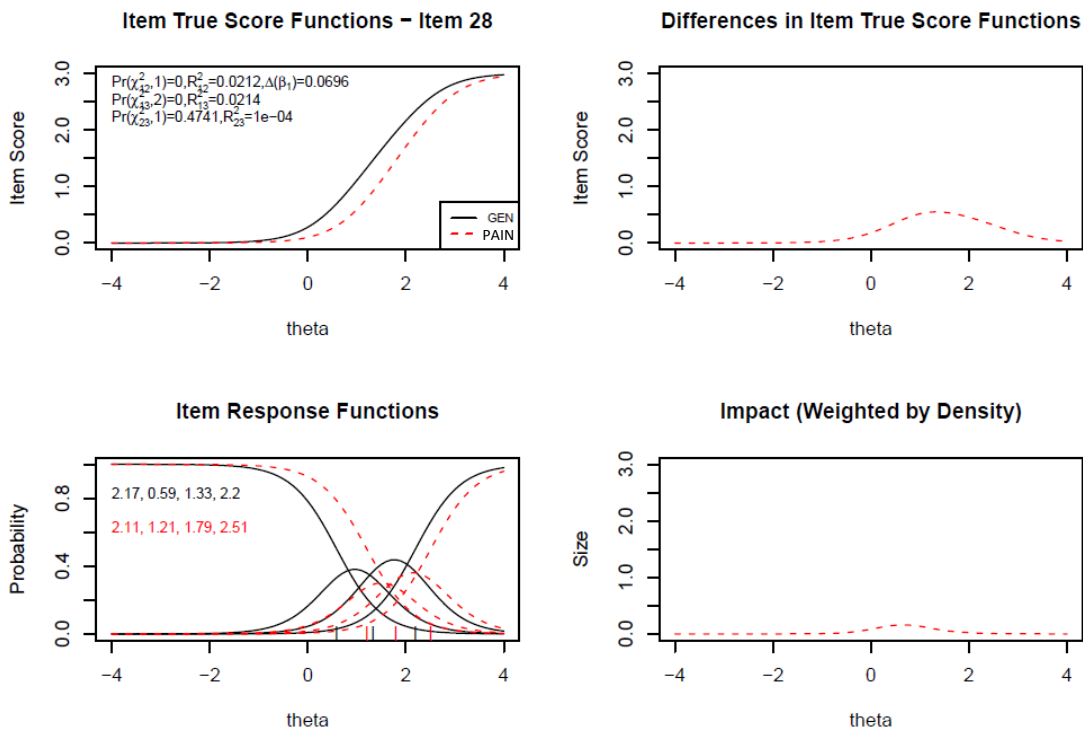
**Rheumatoid Arthritis (RA) vs. General Population (GEN)**



**Item characteristics plots:**

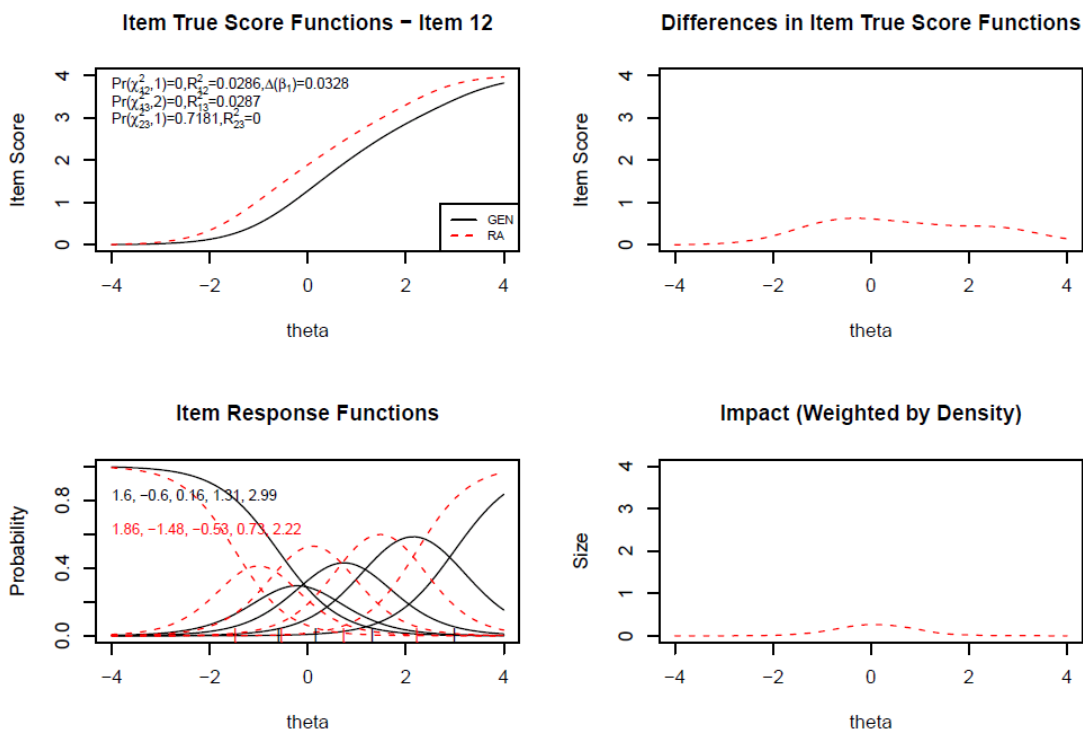
**Chronic Pain (PAIN) vs. General Population (GEN)**

PAINBE45 (item 28) – “In the past 7 days... When I was in pain I thrashed...”



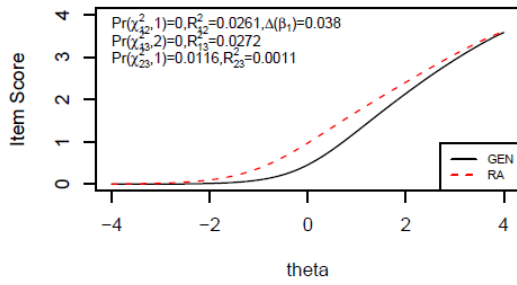
**Rheumatoid Arthritis (RA) vs. General Population (GEN)**

PAINBE24 (item 12) – “In the past 7 days... When I was in pain I moved stiffly...”

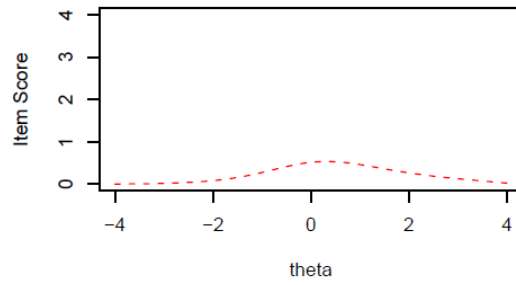


PAINBE25 (item 13) – “In the past 7 days... When I was in pain, I called out for someone to help me...”

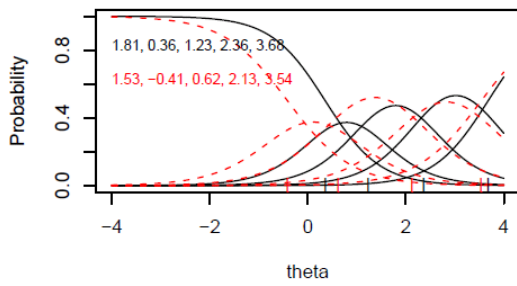
Item True Score Functions – Item 13



Differences in Item True Score Functions



Item Response Functions



Impact (Weighted by Density)

