Temperament, Mental Health, and Processing in a Clinical Community Practice

Patricia McGuire MD FAAP

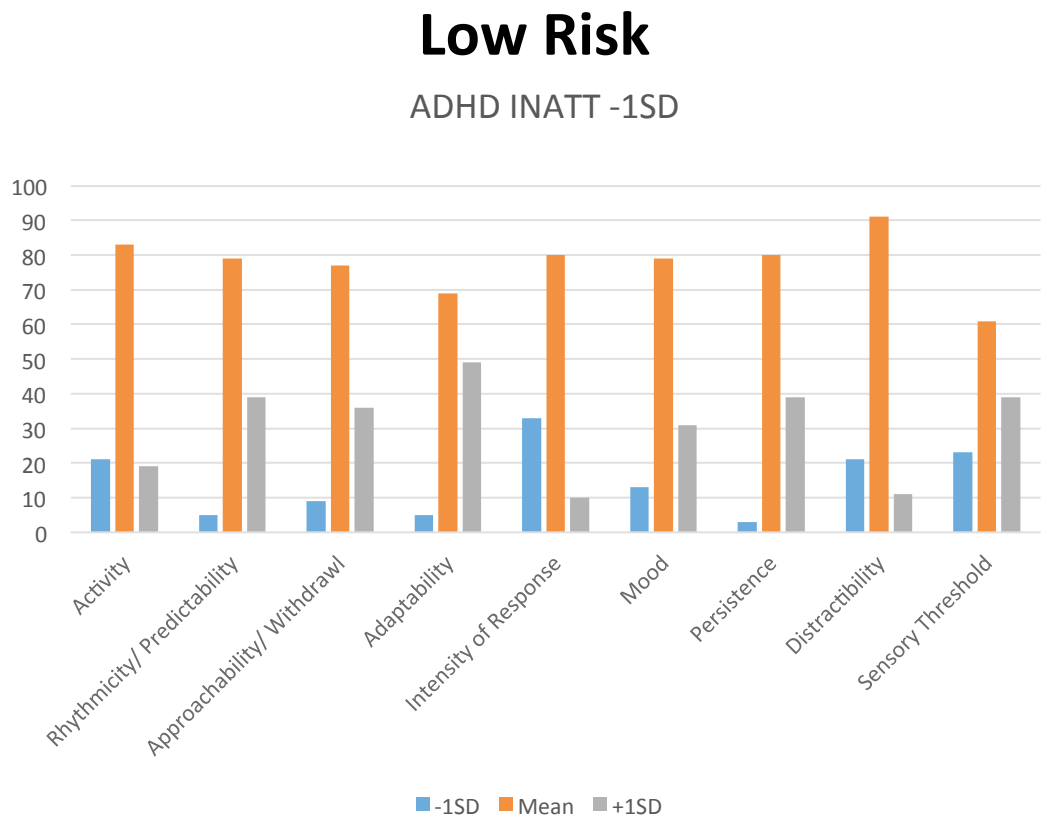
Developmental & Behavioral Pediatrician

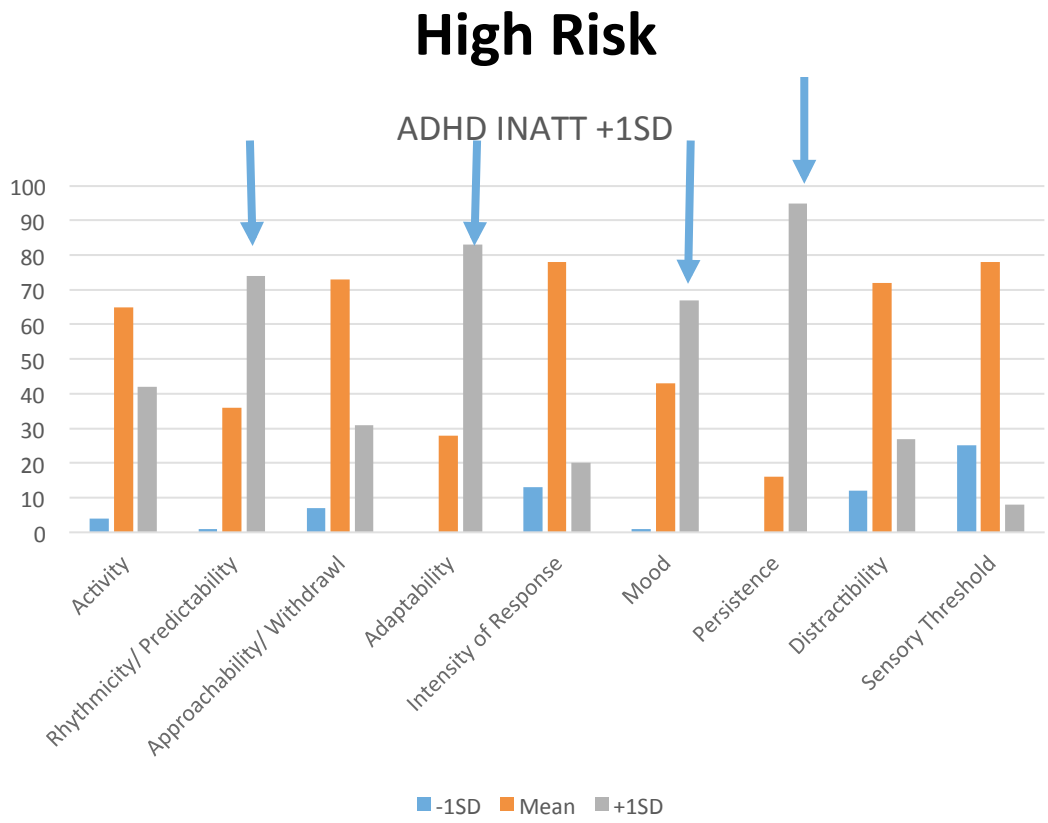
The Pediatric Profiler

BEYOND THE CHECKLIST
COMPARISON TO FINAL DIAGNOSES

N=124	ACTUAL DIAGNOSIS	DSM-IV	DSM-PC PROBLEM & DISORDER CATEGORIES COMBINED
ADHD ALL TYPES COMBINED	31%	88%	68%
BEHAVIOR DX	14%	27%	48%
MOOD DX	66%	30%	55%

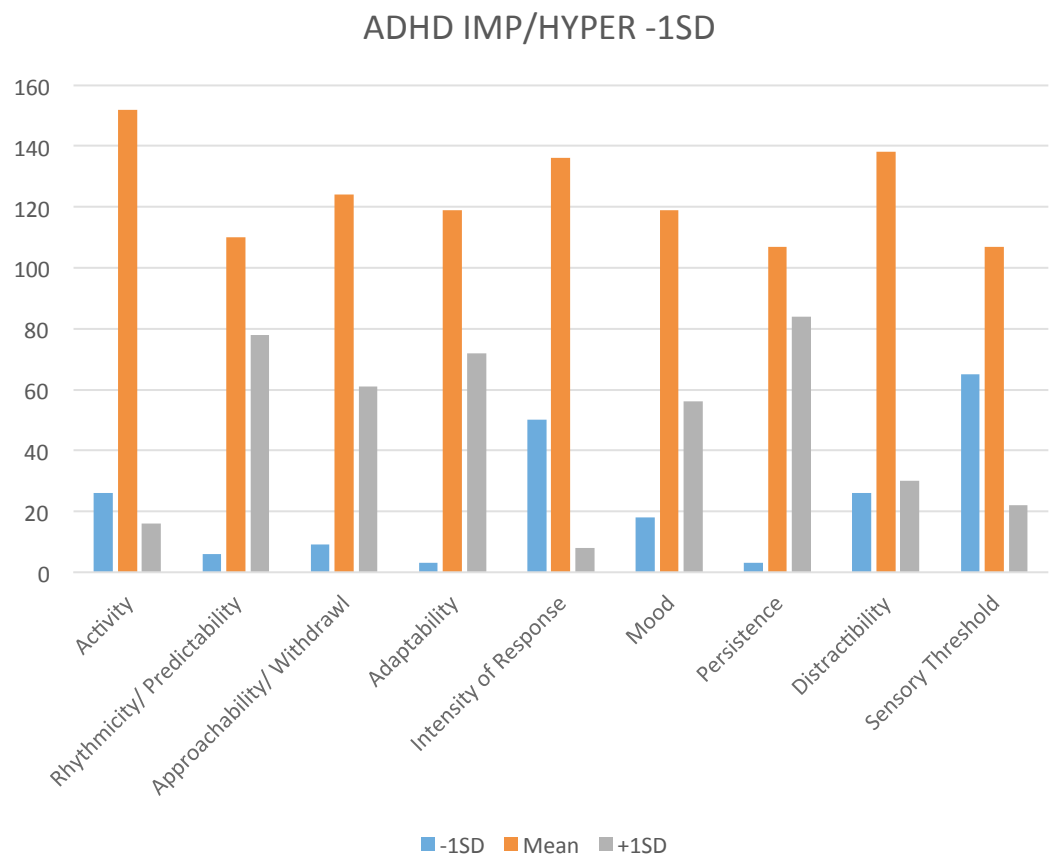
Inattention ADHD

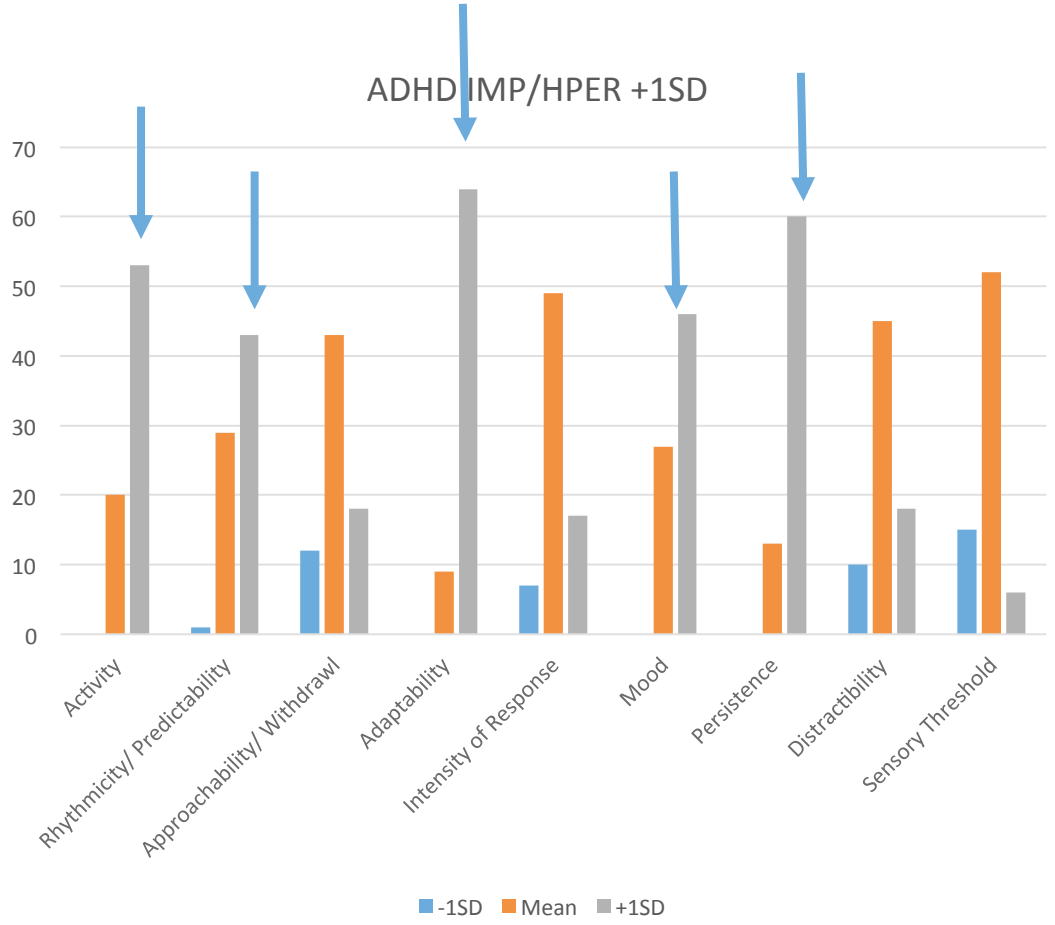




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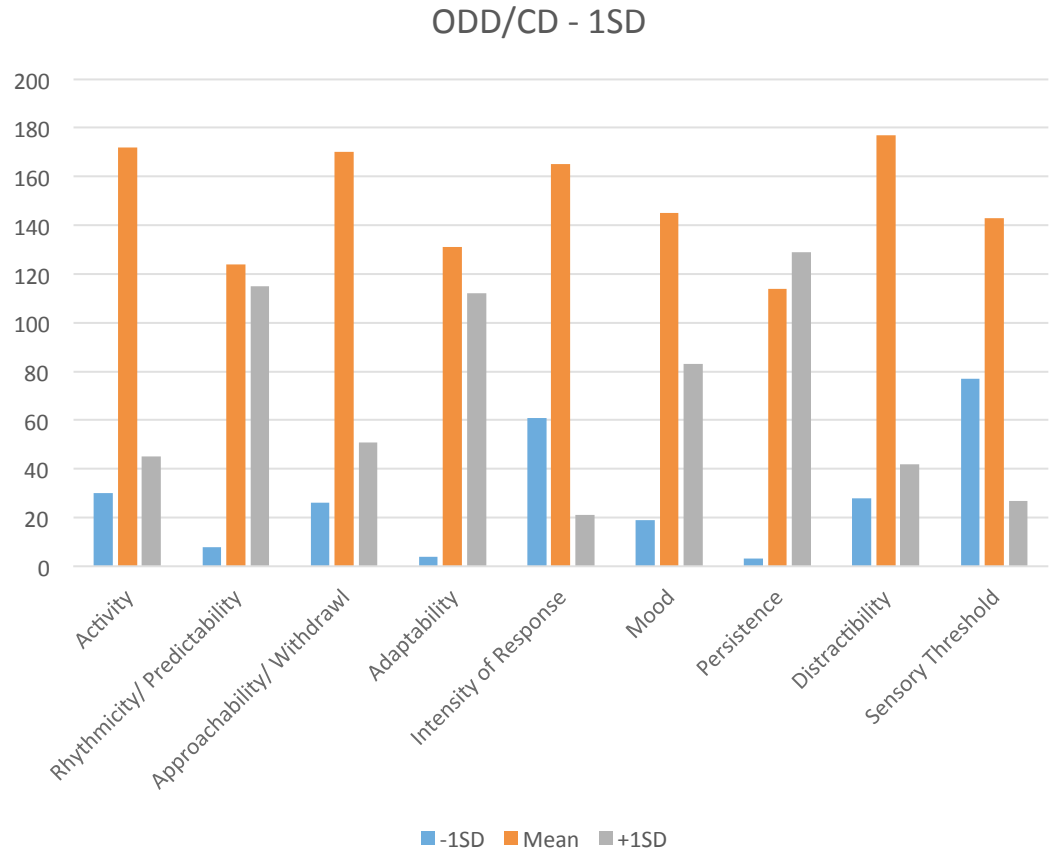
Impulsive/hyperactive ADHD

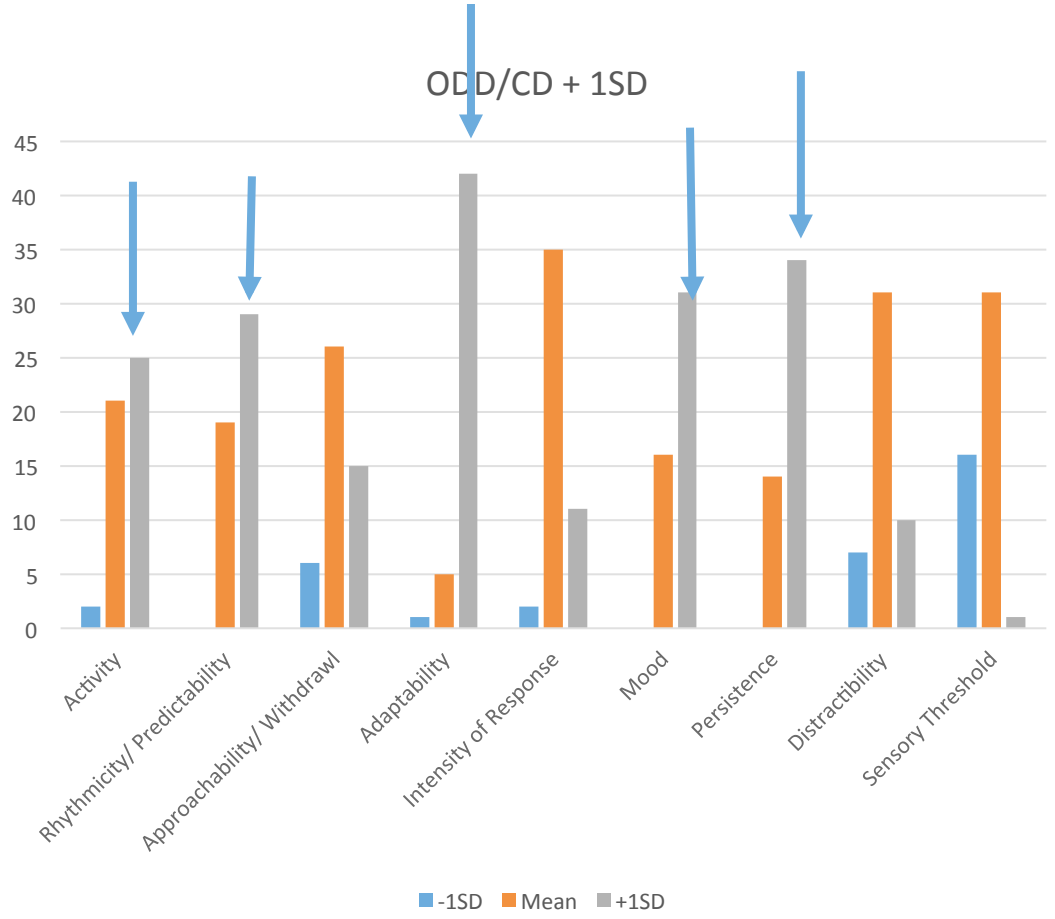




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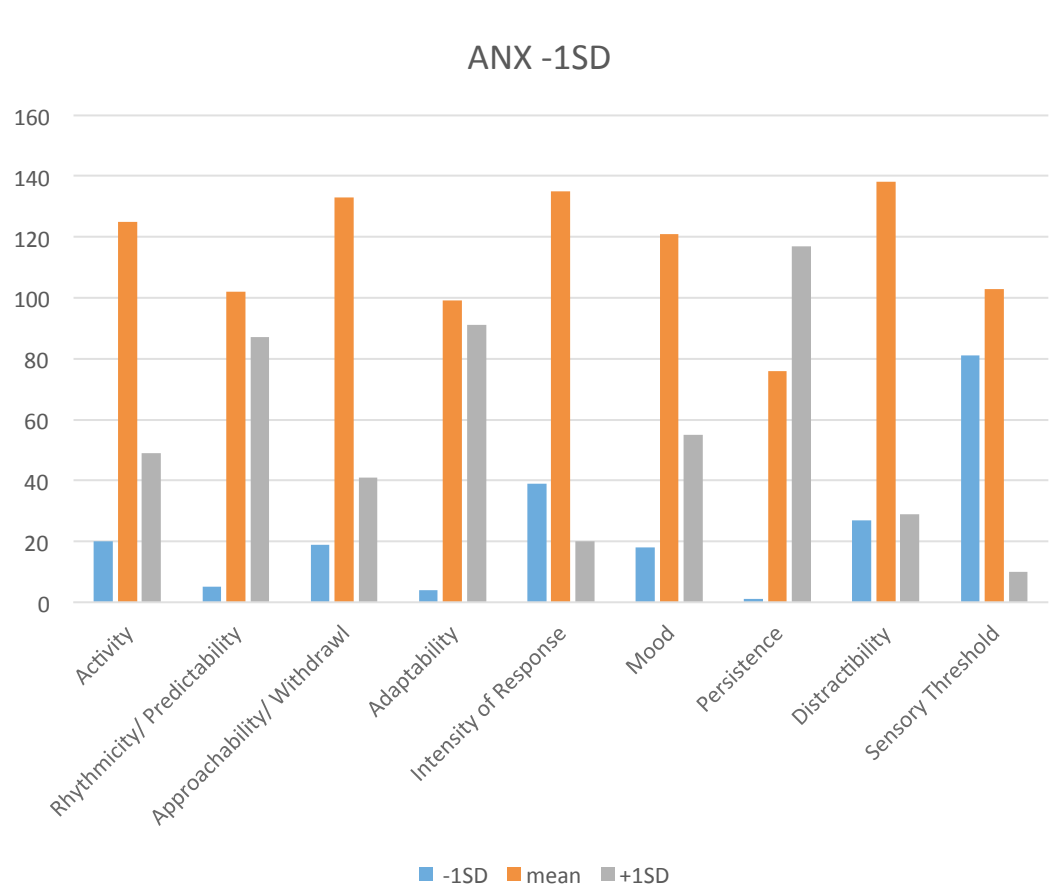
Oppositional Defiant Disorder/ Conduct Disorder

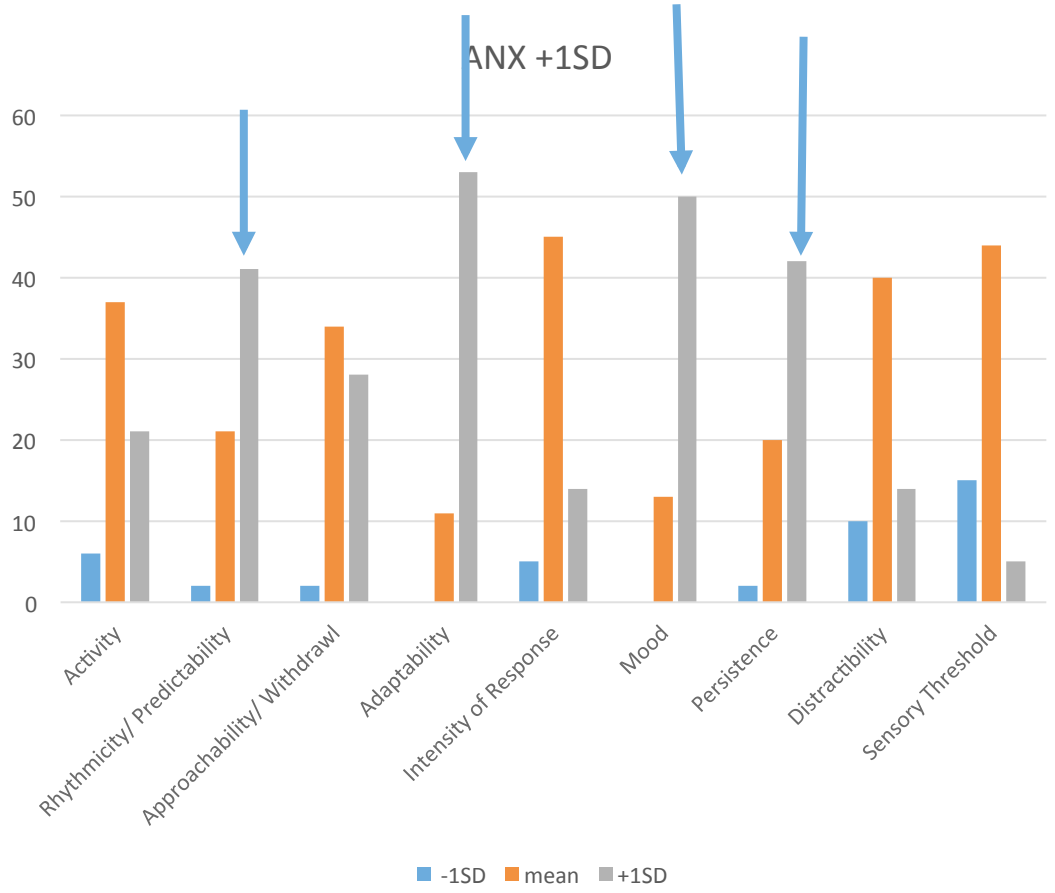




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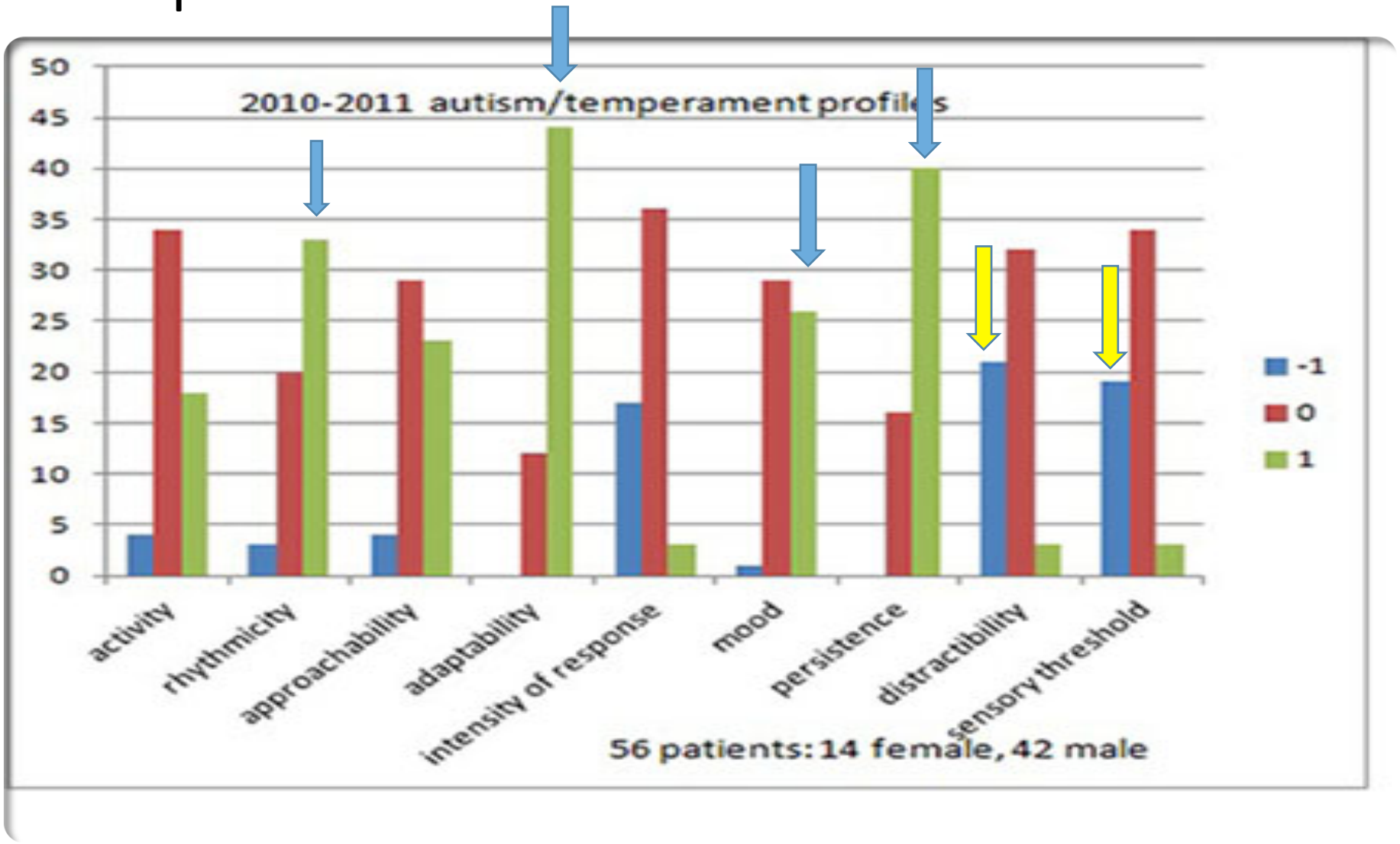
Anxious/Depressed





N=343

Temperament Influence on Behavior



N=56

What areas need help based on temperament

- Rhythmicity
- Persistence

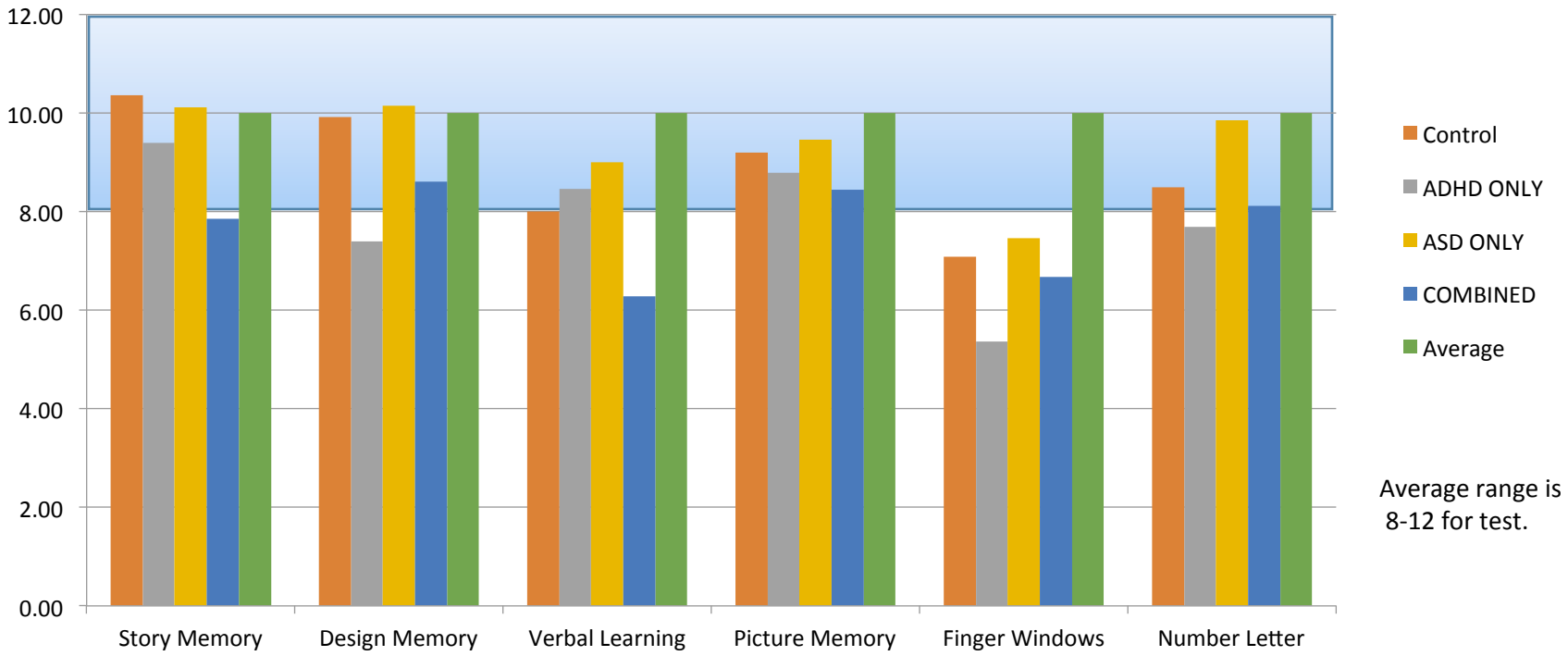
→ Processing

- Adaptability
- Basic mood

→ Limbic

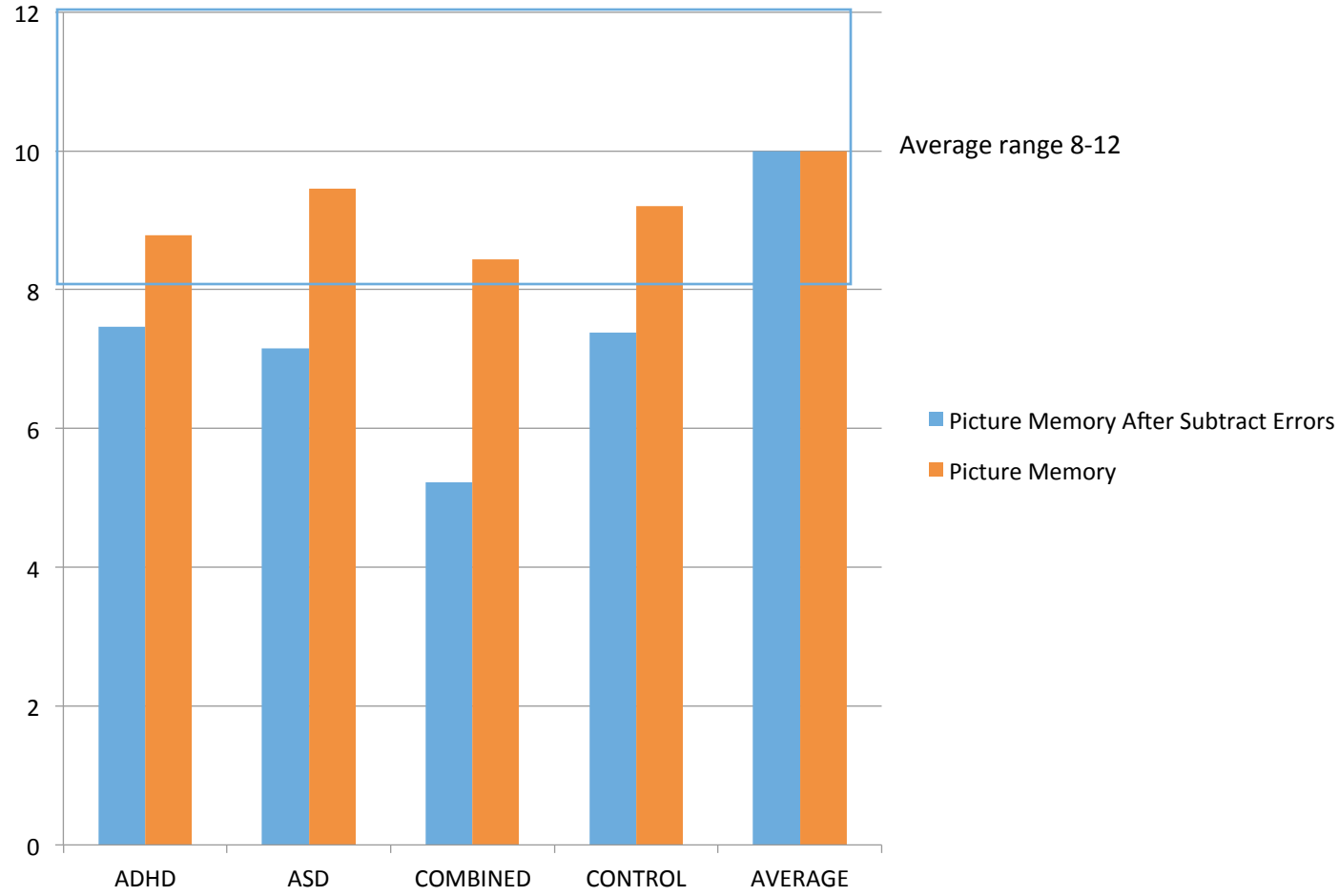
WRAML Scores Clinic Population

2011-partial 2012



Total 154; Total with WRAML 105; Control with WRAML 62; ADHD with WRAML 19; ASD with WRAML 13; Combined with WRAML 9

Picture Memory when ID errors subtracted out



Temperament Traits and Processing

Chart Review population = 157

Subpopulation with WRAML = 110

Rhythmicity +1SD = 59

Rhythmicity Mean = 47

Persistence +1SD = 69

Persistence Mean = 41

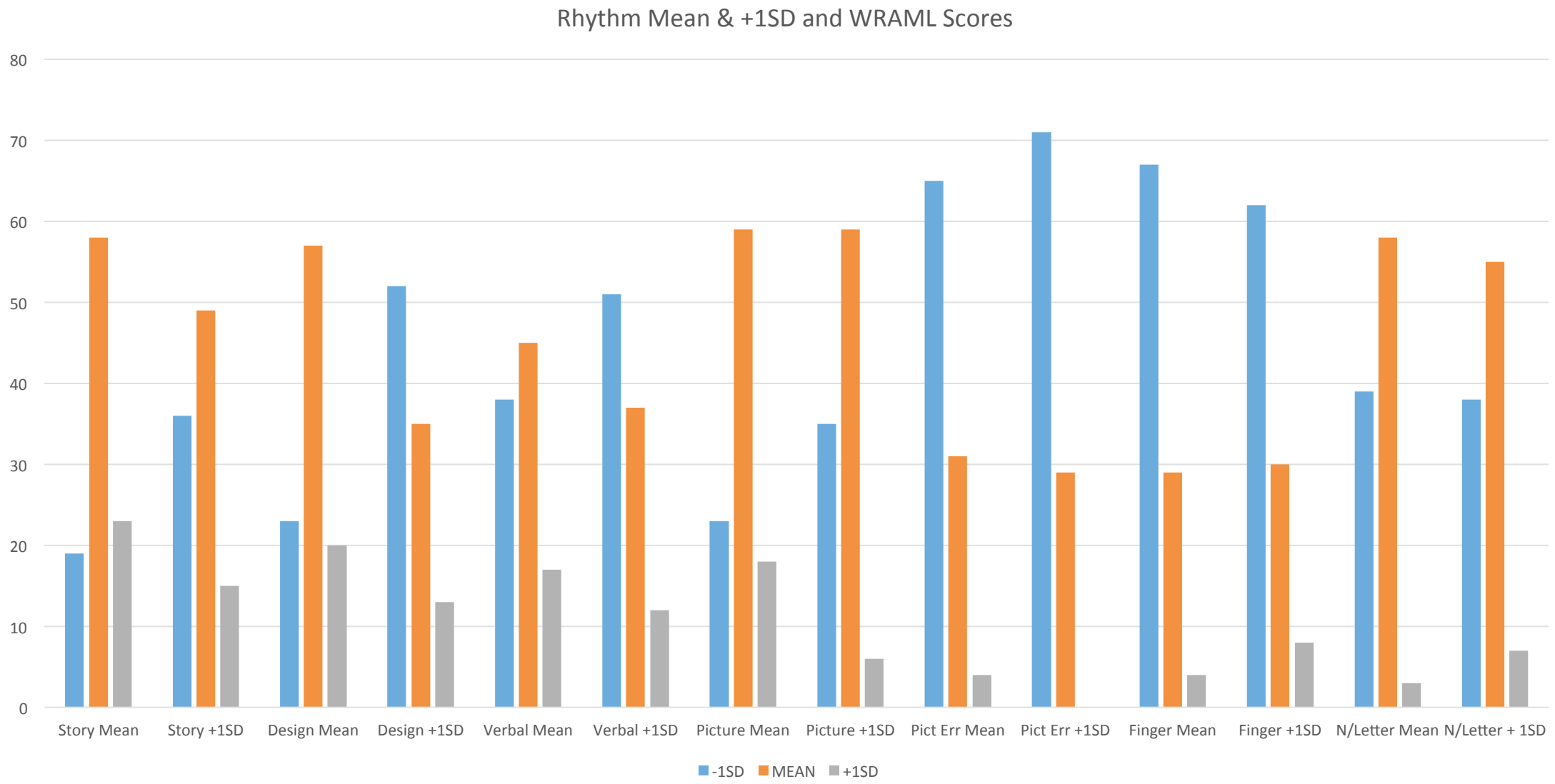
Sensory – 1SD = 44

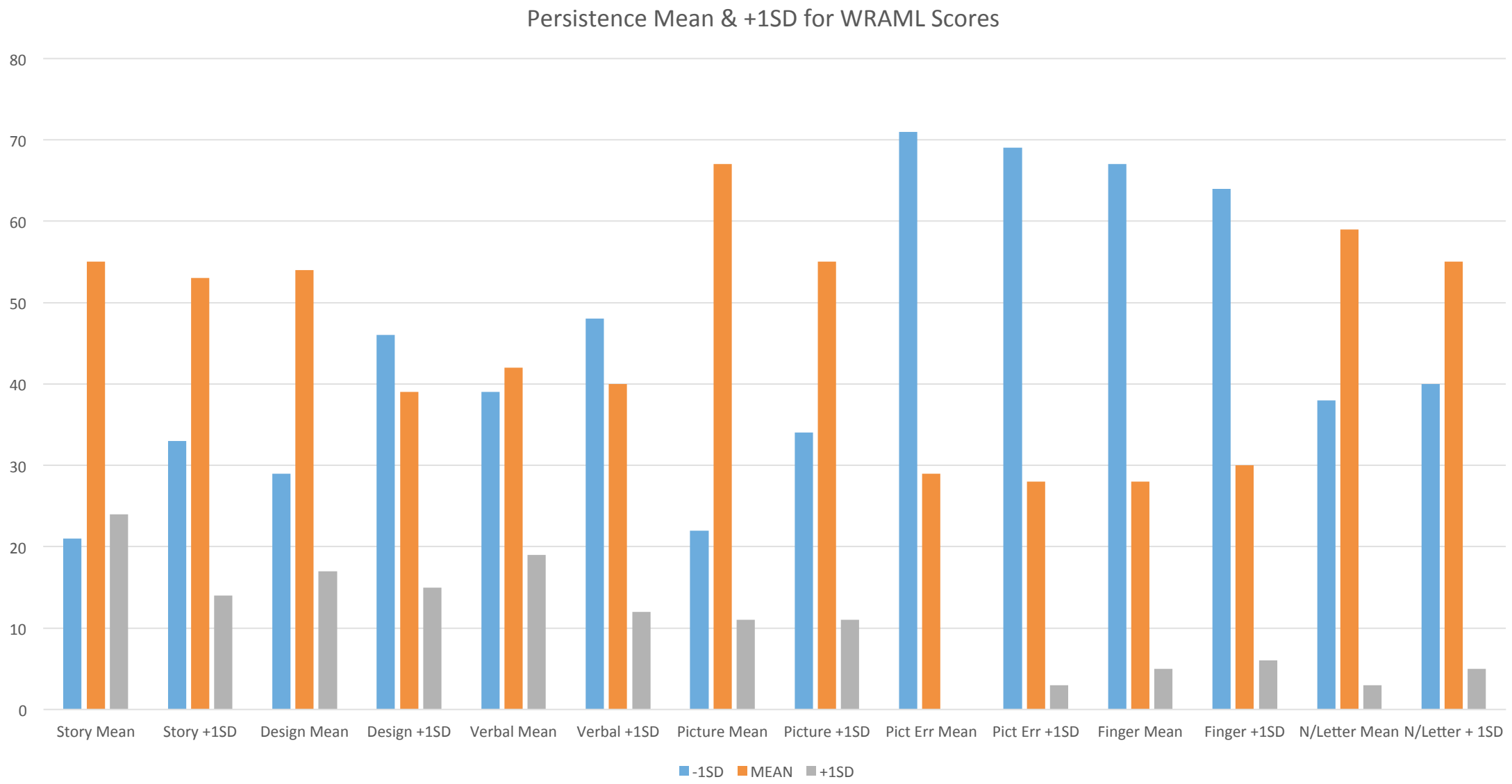
Sensory Mean = 59

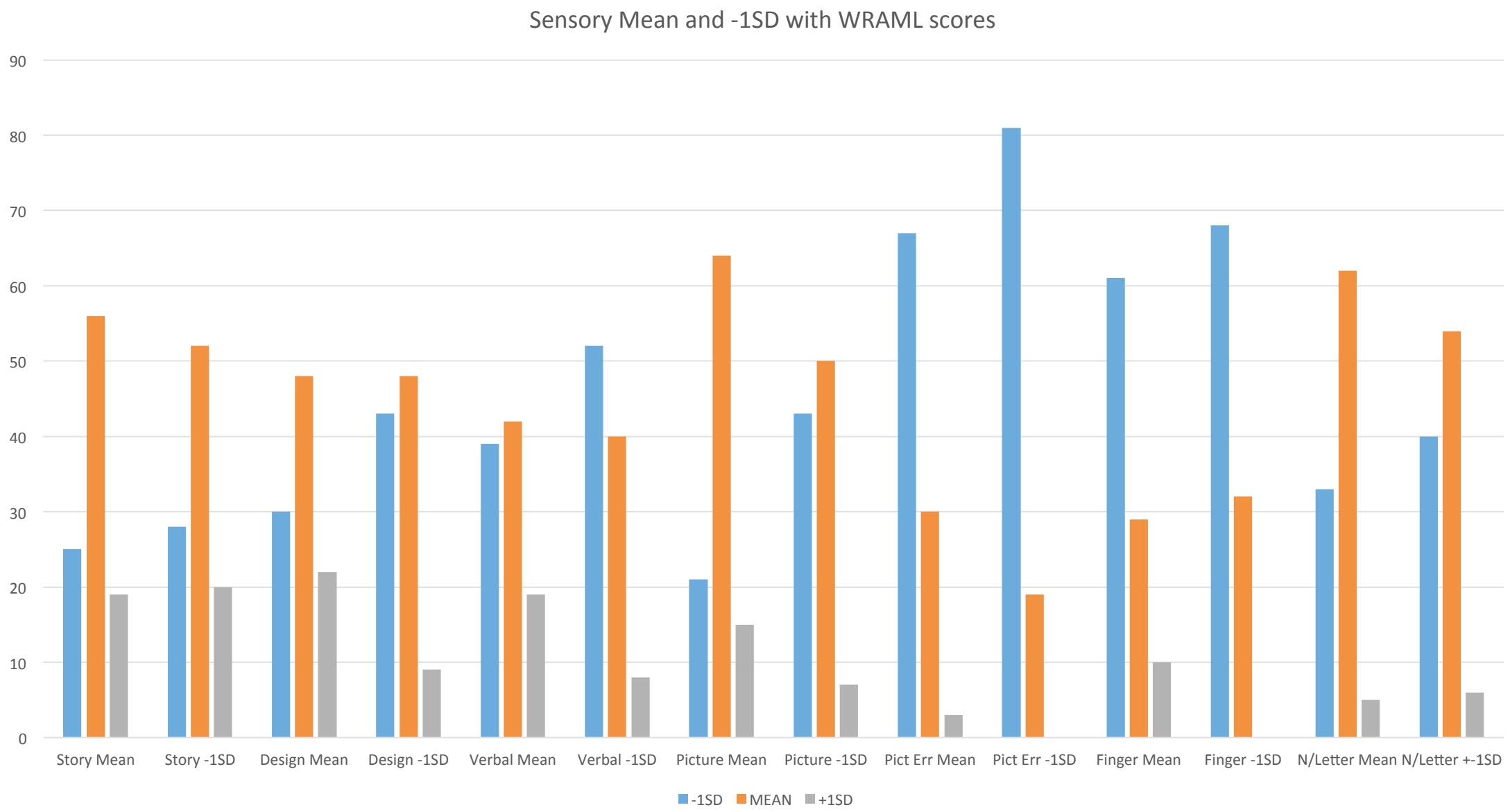
Combined Rhythmicity, Persistence and Sensory

All 3 at Mean = 19

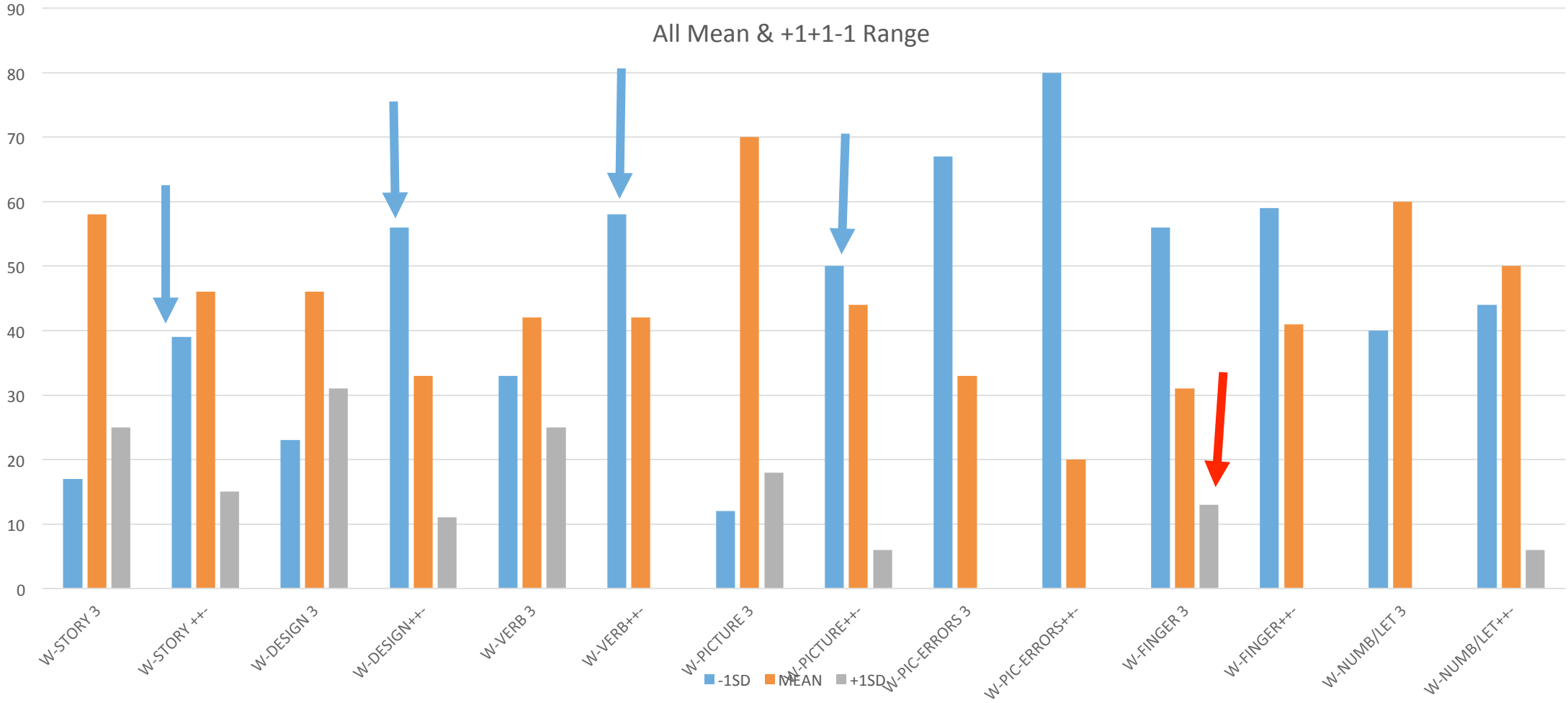
R+1, P+1, S -1 = 19


Rhythm Mean & +1SD and WRAML Scores
80
70
60
50
40
30
20
10
0
Story Mean
Story +1SD
Design Mean
Design +1SD
Verbal Mean
Verbal +1SD
Picture Mean
Picture +1SD
Pict Err Mean
Pict Err +1SD
Finger Mean
Finger +1SD
N/Letter Mean
N/Letter + 1SD
-1SD
MEAN
+1SD


Persistence Mean & +1SD for WRAML Scores
80
70
60
50
40
30
20
10
0
Story Mean
Story +1SD
Design Mean
Design +1SD
Verbal Mean
Verbal +1SD
Picture Mean
Picture +1SD
Pict Err Mean
Pict Err +1SD
Finger Mean
Finger +1SD
N/Letter Mean
N/Letter + 1SD
-1SD
MEAN
+1SD


Sensory Mean and -1SD with WRAML scores
90
80
70
60
50
40
30
20
10
0
Story Mean
Story -1SD
Design Mean
Design -1SD
Verbal Mean
Verbal -1SD
Picture Mean
Picture -1SD
Pict Err Mean
Pict Err -1SD
Finger Mean
Finger -1SD
N/Letter Mean
N/Letter +-1SD
-1SD
MEAN
+1SD

Rhythmicity, Persistence & Sensory
All at mean & +1SD, +1SD, -1SD respectively



3 Mean n=19, +1SD+1SD-1SD n=19