

# Which Negative Symptoms are Hardest to Rate? Preliminary Observations from Site Monitoring

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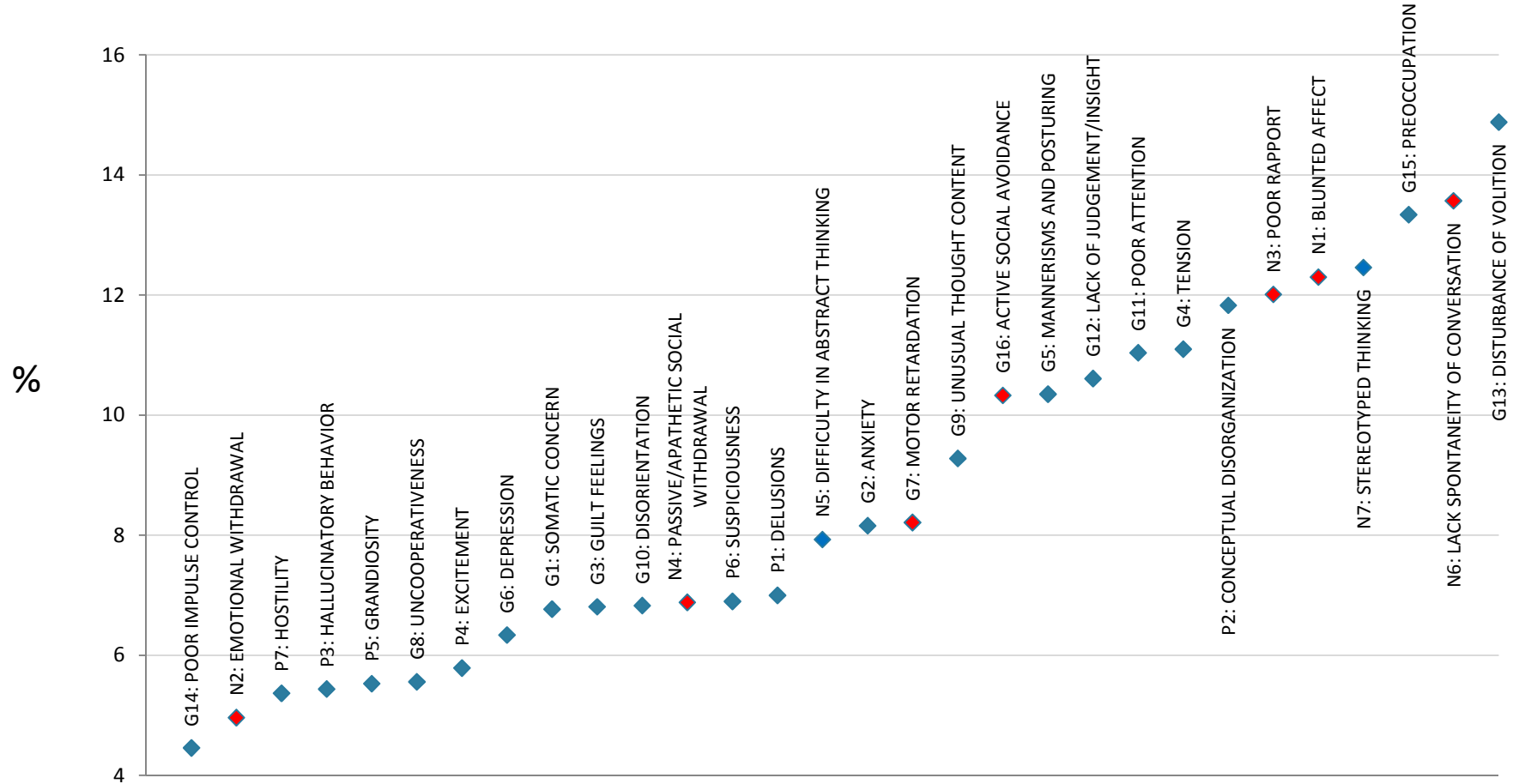
Bracket Global, LLC

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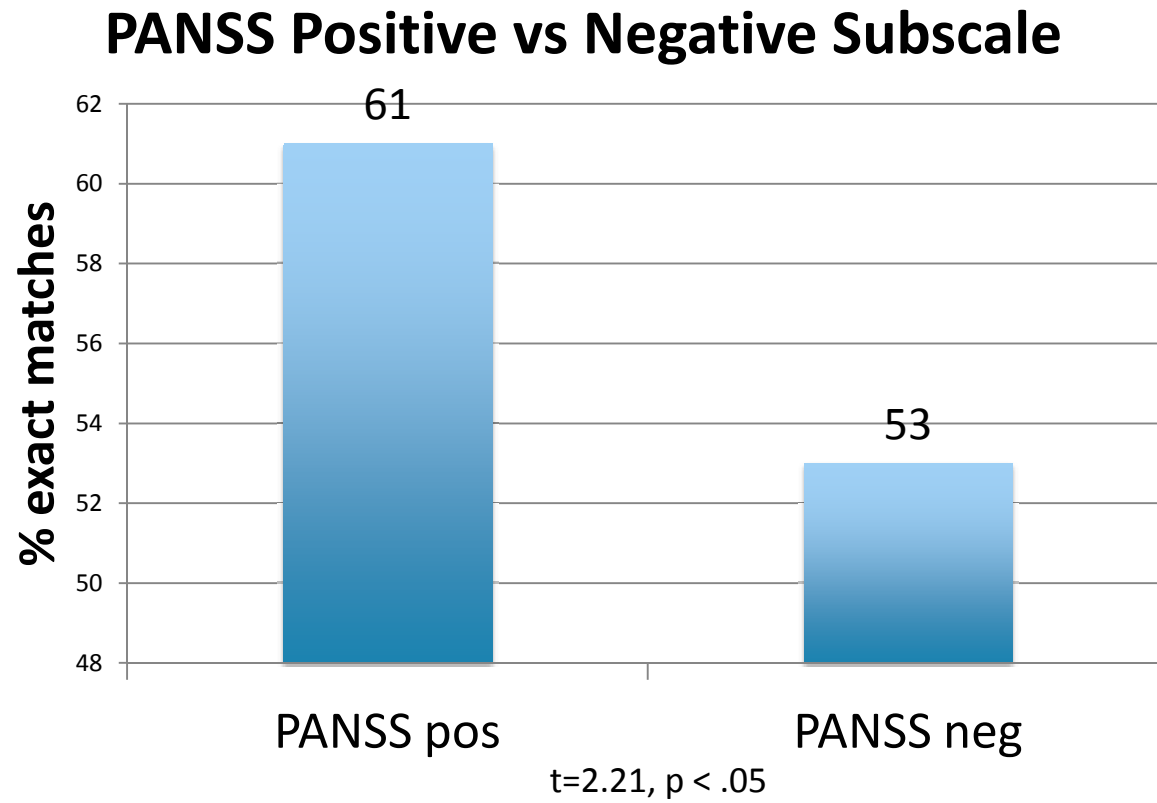
# Method

- 1) Ten global schizophrenia clinical trials
- 2) Investigators trained to rate PANSS by highly interactive procedures
- 3) 2520 site ratings of patients recorded, uploaded and reviewed by local same language experts
- 4) Preliminary analysis of which PANSS negative items are most discordant between site and external rater to inform future training

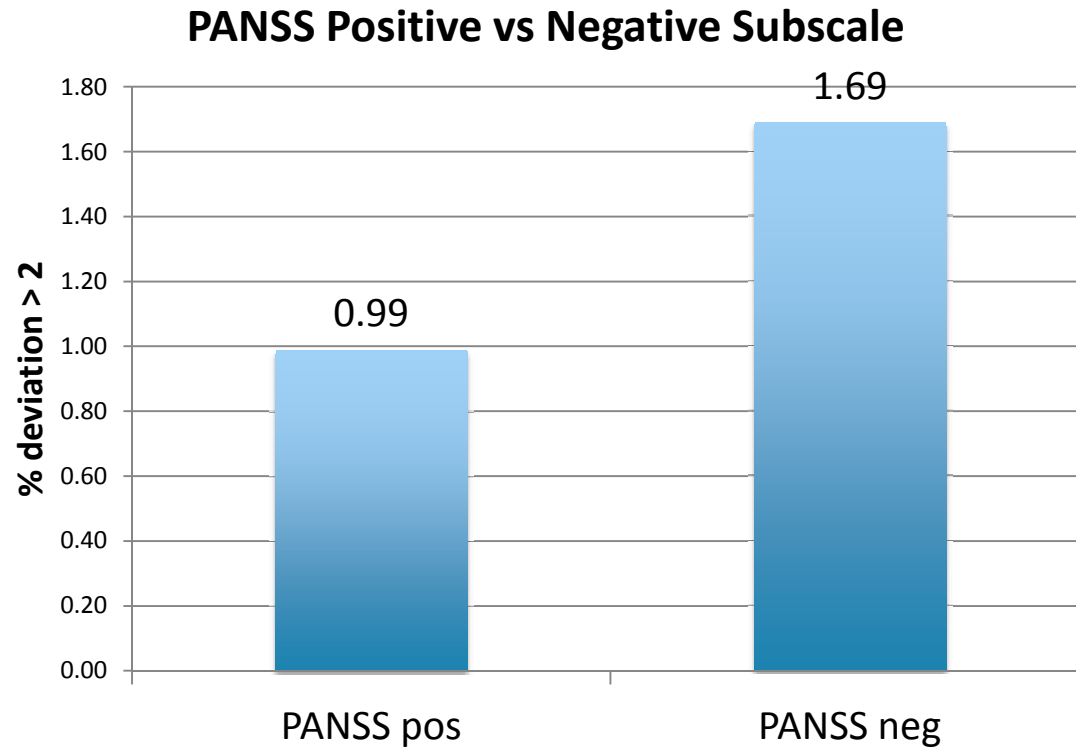
# PANSS Items Ranked by % of Ratings in Which Site and External Raters Differed by > 1



# Proportion of Exact Matches Between Site and External Rater

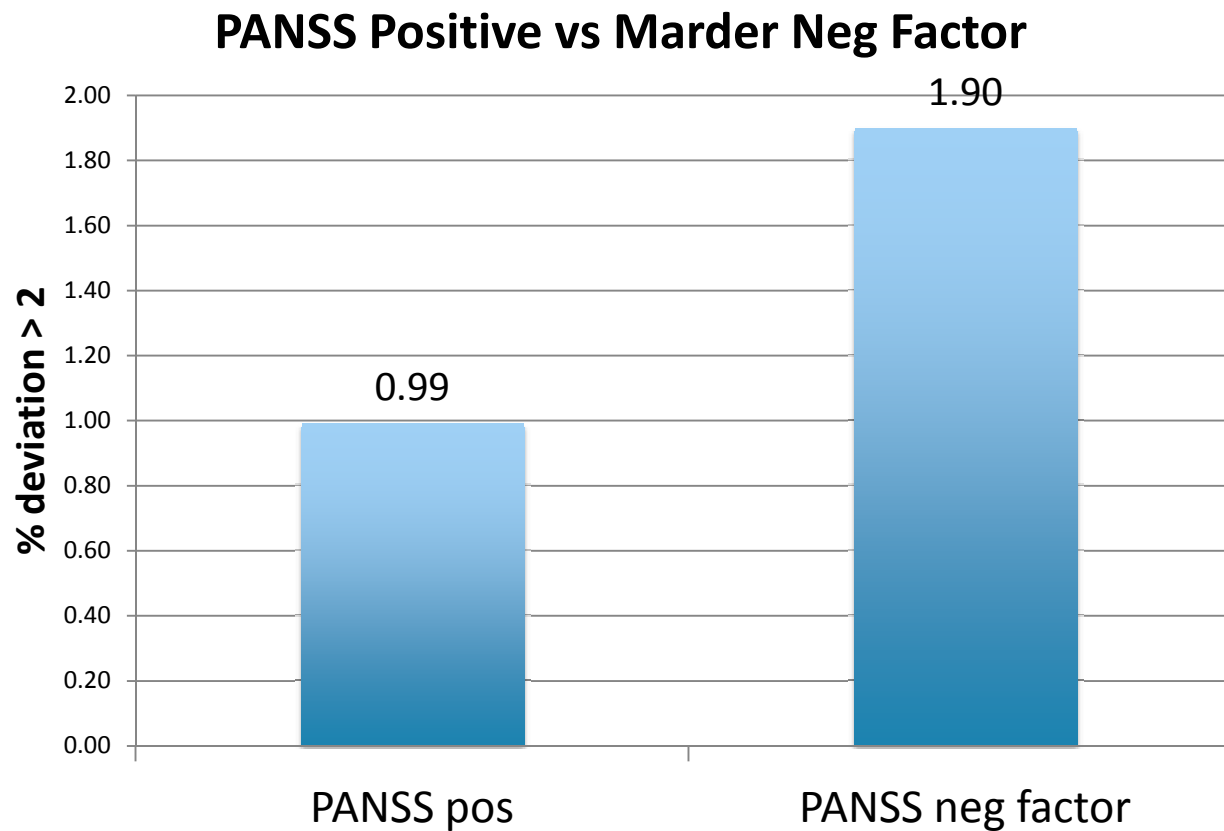


# Proportion of Major Mismatches Between Site and External Rater

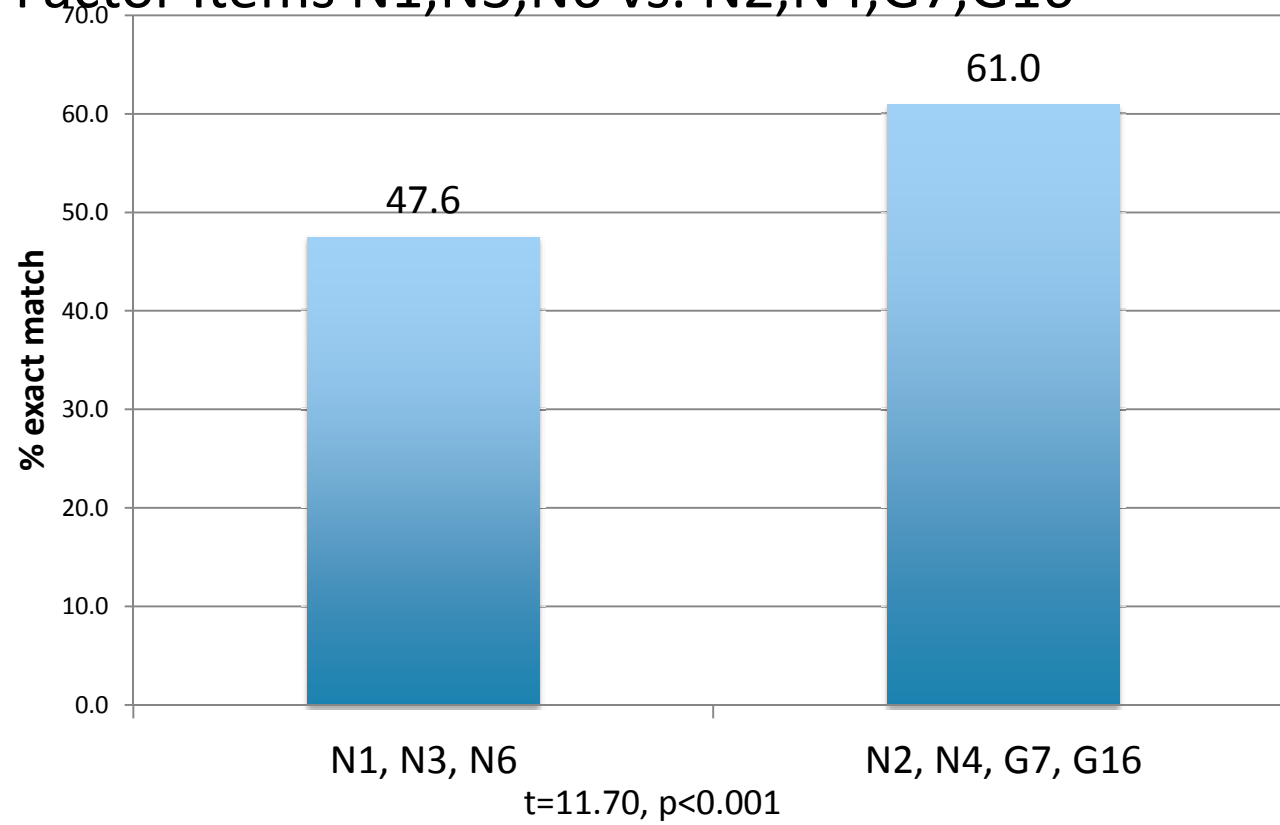


t=-2.65, p<.05

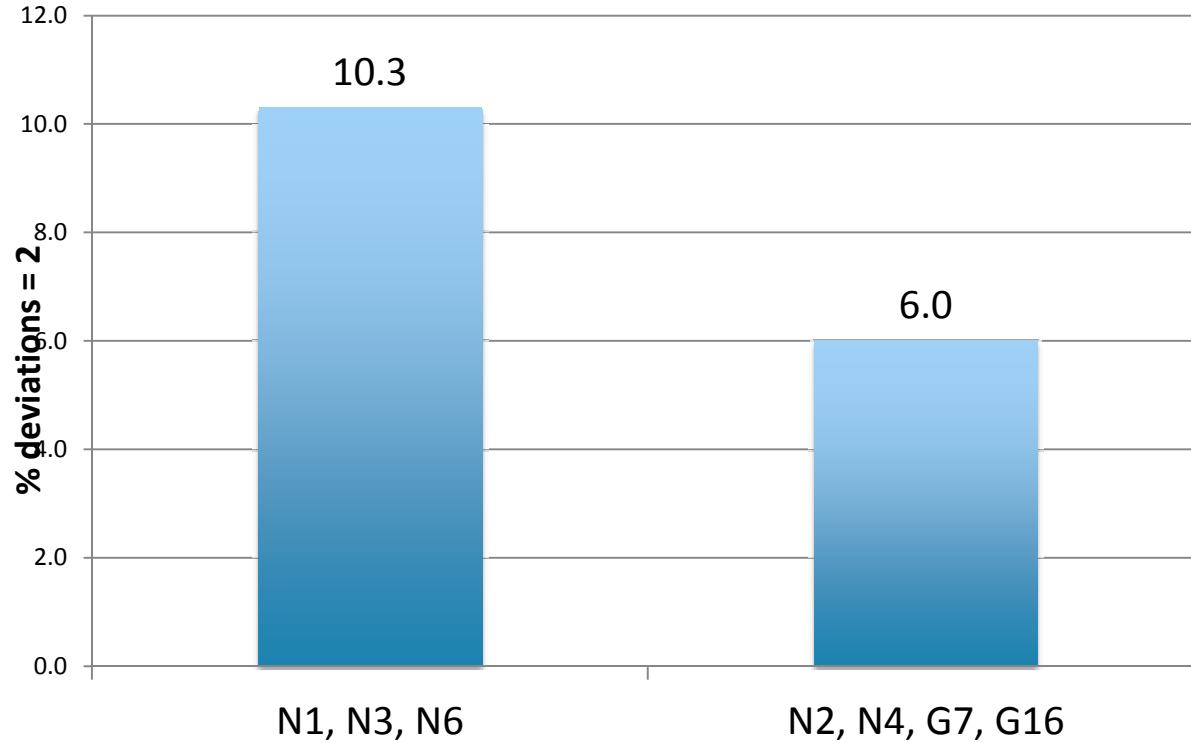
# Proportion of Major Mismatches Between Site and External Rater



# Proportion of Exact Matches Between Site and External Rater: Marder Neg Factor Items N1,N3,N6 vs. N2,N4,G7,G16



# Proportion of Significant Mismatches Between Site and External Rater: Marder Neg Factor Items N1,N3,N6 vs. N2,N4,G7,G16



t=-4.43, p<0.01



Item		Disagree (n)	Agree (n)	$\chi^2$	p
N1	ROW	185	1299	4.7	<.05
	US	122	652		
N2	ROW	64	1424	.12	NS
	US	36	745		
N3	ROW	171	1314	4.12	<.05
	US	113	667		
N4	ROW	94	1387	4.99	<.05
	US	69	705		
N6	ROW	192	1295	7.07	<.01
	US	133	648		
G7	ROW	91	1398	8.60	<.01
	US	74	707		
G16	ROW	122	1352	4.40	<.05
	US	85	690		

# Preliminary Observations

- 1. Negative symptoms were harder to get agreement on than positive symptoms
- 2. Negative symptoms rated based purely on behavioral observation were harder to get agreement on than those that included report by the patient or informant
- 3. Agreement between site and external raters was lower in the US than ROW

# Practical Implications

- Symptoms rated on the basis of behavioral observation alone may require more intensive training.
- Division of observational phenomena into quantifiable components (eg, blunted affect into the components of prosody, facial expression, gestures) may facilitate reliability of measurement.