



Association Between MMPI-2-RF Somatic/Cognitive Scales and Medical Diagnoses Among Forensic Psychiatric Inpatients

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[*contributed equally]

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Relevant Background (Ben-Porath, 2012)

MLS	Malaise	generalized poor health/debilitation
GIC	Gastrointestinal Complaints	poor appetite, nausea, vomiting, upset stomach
HPC	Head Pain Complaints	head/neck pain, headaches, head pain when upset
NUC	Neurological Complaints	dizziness, numbness, weakness, involuntary movement
COG	Cognitive Complaints	memory, intellectual, concentration, & confusion problems

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Relevant Background

Change in Pain Levels Following Spine Surgery

(Marek, Block, & Ben-Porath, 2015)

Poor Health Orientation & Bodily Complaints

(Marek et al., 2018)

Subjective Cognitive & Emotional Complaints

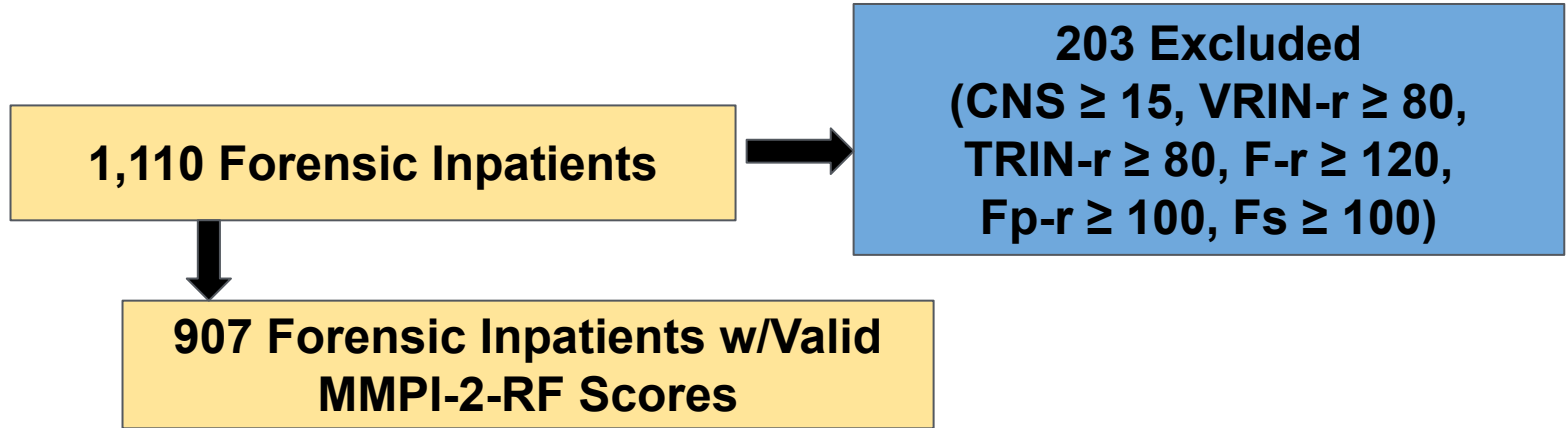
(Gervais, Ben-Porath, & Wygant, 2009)

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Method

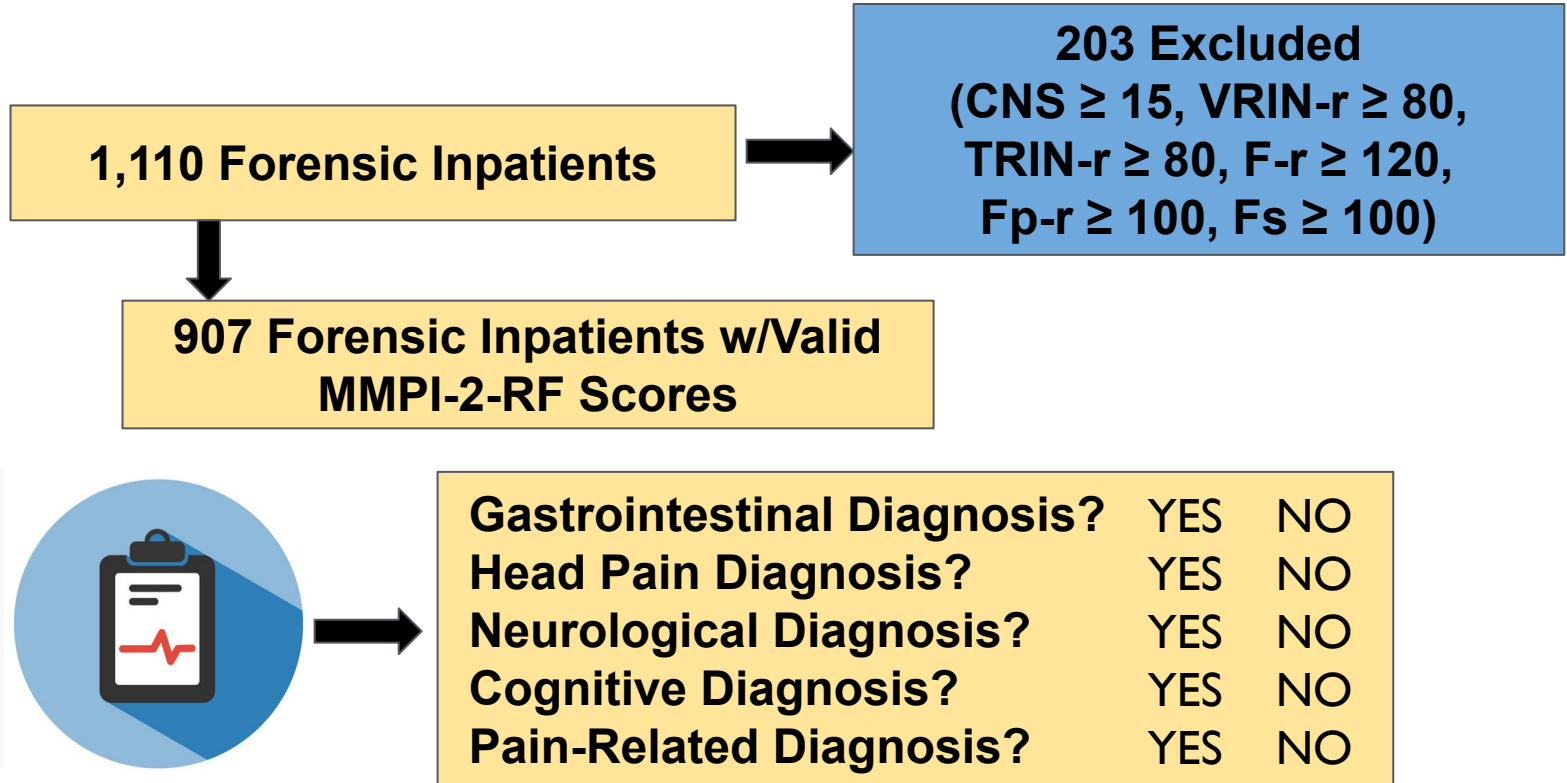


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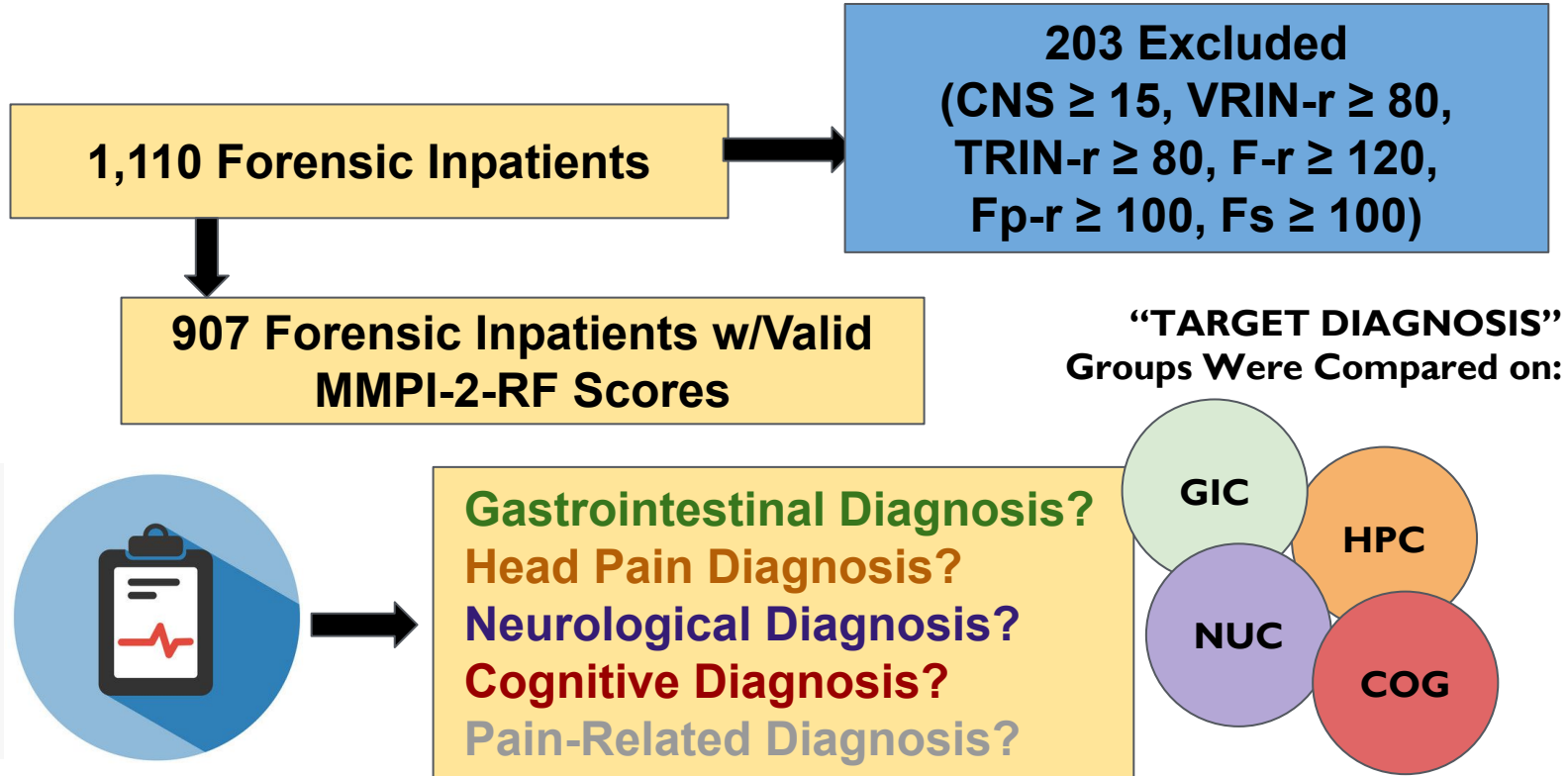


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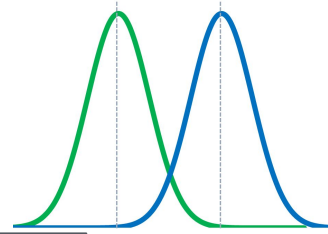


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Method & Hypotheses



***ns* = 45-159**

**Target
Diagnosis**

vs.

**No Target
Diagnosis**

***ns* = 748-862**

***ns* = 45-159**

**Target
Diagnosis**

vs.

No Medical Diagnosis

***n* = 552**

***n* = 267**

**Pain-Related
Diagnosis**

vs.

**No Pain-Related
Diagnosis**

***n* = 640**

***n* = 267**

**Pain-Related
Diagnosis**

vs.

No Medical Diagnosis

***n* = 552**

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Table I: Target Diagnosis Present vs. Absent

	Target Diagnosis Present			Target Diagnosis Not Present				
	<i>n</i>	<i>M</i>	<i>SD</i>	<i>n</i>	<i>M</i>	<i>SD</i>	<i>p</i>	<i>g</i>
MLS	---	---	---	---	---	---	---	---
GIC	112	52.6	11.1	795	50.5	9.9	.07	0.20
HPC	45	55.3	12.9	862	50.6	9.9	.02	0.46
NUC	89	63.8	14.0	818	56.4	12.4	<.01	0.59
COG	159	52.0	11.2	748	51.9	12.3	.93	0.01

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Table 2: Target Diagnosis Present vs. No Medical Diagnosis

	Target Diagnosis Present			No Medical Diagnosis				
	<i>n</i>	<i>M</i>	<i>SD</i>	<i>n</i>	<i>M</i>	<i>SD</i>	<i>p</i>	<i>g</i>
MLS	---	---	---	---	---	---	---	---
GIC	112	52.6	11.1	552	49.9	9.0	.02	0.28
HPC	45	55.3	12.9	552	50.3	9.9	.01	0.50
NUC	89	63.8	14.0	552	56.2	12.7	<.01	0.59
COG	159	52.0	11.2	552	51.3	11.7	.49	0.06

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Table 3: Pain Diagnosis Present vs. Absent

	Pain Diagnosis Present			Pain Diagnosis Not Present				
	<i>n</i>	<i>M</i>	<i>SD</i>	<i>n</i>	<i>M</i>	<i>SD</i>	<i>p</i>	<i>g</i>
MLS	267	54.0	12.2	640	52.7	11.1	.15	0.11
GIC	267	52.0	11.4	640	50.3	9.4	.03	0.17
HPC	267	51.6	10.2	640	50.6	10.0	.14	0.11
NUC	267	58.6	12.1	640	56.5	13.0	.02	0.17
COG	267	53.1	12.6	640	51.4	11.8	.045	0.15

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Table 4: Pain Diagnosis Present vs. No Medical Diagnosis

	Pain Diagnosis Present			No Medical Diagnosis				
	<i>n</i>	<i>M</i>	<i>SD</i>	<i>n</i>	<i>M</i>	<i>SD</i>	<i>p</i>	<i>g</i>
MLS	267	54.0	12.2	552	52.7	11.2	.14	0.11
GIC	267	52.0	11.4	552	49.9	9.0	<.01	0.20
HPC	267	51.6	10.2	552	50.3	9.9	.06	0.14
NUC	267	58.6	12.1	552	56.2	12.7	<.01	0.19
COG	267	53.1	12.6	552	51.3	11.7	.04	0.16

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Discussion

- **HPC/NUC (med) & GIC (small) w/Diagnosis**
- **Pain associations were negligible**

Limitations & Future Directions

- **Multiple Physician Raters**
- **Coding Malaise-Related Diagnoses**

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