

Alignment Optimization: Invariance Evaluation of the Gur+ CFA model (Model 3)

Variables

cnp_sf2b2_crc : short Fractal 2-back: correct pos and neg (weighted)
cnp_cpw_iwr_d_tot : Word Memory: CPW Total Correct
cnp_pvrt_pvrctcr : Verbal Reasoning: Total Correct (verbal analogy/'logical reasoning')
cnp_pmat24a_pmat24_a_cr : Matrix Reasoning: PMAT Total Correct (Special FORM A)
cnp_medf36_medf36_a : Emotion Differentiation: Total Correct
cnp_er40d_er40_cr : Emotion Recognition: ER40 Total Correct
np_wrat4_mc_raw : WRAT:math (mc)
np_wrat4_wr_raw : WRAT:Word (wr)
cnp_pvoc_pvocr : Vocabulary: Total Correct
np_wais4_rawscore : Raw Score for WAIS (digit symbol)
np_gpeg_timec : Dexterity: Composite Time on Grooved Pedboard
np_atax_sumc : Ataxia: sum of 4 sum scores
cnp_spcptnl_scpt_tp : Cont. Perform: Total True Positives (letter & num.)
cnp_pcet_pcetcr : PECT Accuracy2 = (PCET_CAT+1)*PCETCR/(PCETCR+PCETER)
meansvt : Mean of Visual Object Learning recall and delayed recall
meanfc : Mean of Face rec and delayed rec

Note: Models were run in Mplus version 8.3.

GUR+ Model: Invariance by Age Age (12: 12-16; 17: 17+)

APPROXIMATE MEASUREMENT INVARIANCE (NONINVARIANCE) FOR GROUPS

Intercepts/Thresholds

CNP_SF2B	12	17
CNP_CPW_	12	17
CNP_PVRT	(12)	(17)
CNP_PMAT	12	17
CNP_MEDF	12	17
CNP_ER40	12	17
NP_WRAT4	(12)	(17)
NP_WRAT4	(12)	(17)
CNP_PVOC	12	17
NP_WAIS4	(12)	(17)
NP_GPEG_	12	17
CNP_SPCP	(12)	(17)
CNP_PCET	(12)	(17)
MEANSVT	12	17
MEANFC	(12)	(17)

Loadings for EXFUNC

CNP_SF2B	12	17
CNP_SPCP	12	17
CNP_PCET	12	17

Loadings for EPISMEM

CNP_CPW_	12	17
MEANSVT	12	17
MEANFC	12	17

Loadings for CMPLXCOG

CNP_PVRT	12	17
CNP_PMAT	12	17

Loadings for SOCCOG

CNP_MEDF	12	17
CNP_ER40	12	17

Loadings for GENAB

NP_WRAT4	12	17
NP_WRAT4	12	17
CNP_PVOC	(12)	(17)

Loadings for MOTORSP

NP_WAIS4	12	17
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NP_GPEG_ 12 17

FACTOR MEAN COMPARISON AT THE 5% SIGNIFICANCE LEVEL IN DESCENDING ORDER

Results for Factor EXFUNC

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	12	0.000	
2	2	17	-0.021	

Results for Factor EPISMEM

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	12	0.000	17
2	2	17	-0.177	

Results for Factor CmplXCOG

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	17	0.122	
2	1	12	0.000	

Results for Factor SOCCOG

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	17	0.203	
2	1	12	0.000	

Results for Factor GENAB

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	17	0.355	12
2	1	12	0.000	

Results for Factor MOTORSP

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	12	0.000	
2	2	17	-0.051	

ALIGNMENT OUTPUT

INVARIANCE ANALYSIS

Intercepts/Thresholds

Intercept for CNP_SF2B

Group	Group	Value	Value	Difference	SE	P-value
17	12	-0.116	0.043	-0.159	0.088	0.070

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: -0.029

R-square/Explained variance/Invariance index: 0.150

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.043	0.071	0.039	0.070
17	-0.116	-0.088	0.048	0.070

Intercept for CNP_CPW_

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.227	0.239	-0.012	0.048	0.798

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.234

R-square/Explained variance/Invariance index: 0.997

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.239	0.005	0.021	0.798
17	0.227	-0.007	0.026	0.798

Intercept for CNP_PVRT

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Invariance Was Not Found For This Parameter.

Intercept for CNP_PMAT

Group	Group	Value	Value	Difference	SE	P-value
17	12	-0.077	-0.130	0.053	0.017	0.002

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: -0.106

R-square/Explained variance/Invariance index: 0.823

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	-0.130	-0.024	0.008	0.002
17	-0.077	0.029	0.009	0.002

Intercept for CNP_MEDF

Group	Group	Value	Value	Difference	SE	P-value
17	12	-0.026	-0.003	-0.023	0.013	0.081

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: -0.013

R-square/Explained variance/Invariance index: 0.884

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	-0.003	0.010	0.006	0.081
17	-0.026	-0.013	0.007	0.081

Intercept for CNP_ER40

Group	Group	Value	Value	Difference	SE	P-value
17	12	-0.235	-0.268	0.033	0.086	0.699

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: -0.253

R-square/Explained variance/Invariance index: 0.907

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	-0.268	-0.015	0.039	0.699
17	-0.235	0.018	0.048	0.699

Intercept for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Invariance Was Not Found For This Parameter.

Intercept for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
17	12	-0.225	-0.201	-0.024	0.005	0.000

Approximate Invariance Was Not Found For This Parameter.

Intercept for CNP_PVOC

Group	Group	Value	Value	Difference	SE	P-value
17	12	-0.177	-0.266	0.089	0.072	0.213

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: -0.226

R-square/Explained variance/Invariance index: 0.885

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	-0.266	-0.040	0.032	0.213
17	-0.177	0.049	0.040	0.213

Intercept for NP_WAIS4

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Invariance Was Not Found For This Parameter.

Intercept for NP_GPEG_

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.179	0.289	-0.110	0.105	0.293

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.240

R-square/Explained variance/Invariance index: 0.428

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.289	0.049	0.047	0.293
17	0.179	-0.061	0.058	0.293

Intercept for CNP_SPCP

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.016	-0.357	0.373	0.089	0.000

Approximate Invariance Was Not Found For This Parameter.

Intercept for CNP_PCET

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.089	0.111	-0.022	0.053	0.683

Approximate Invariance Was Not Found For This Parameter.

Intercept for MEANSVT

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.089	0.111	-0.022	0.053	0.683

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.101

R-square/Explained variance/Invariance index: 0.937

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.111	0.010	0.024	0.683
17	0.089	-0.012	0.029	0.683

Intercept for MEANFC

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.638	0.649	-0.011	0.019	0.567

Approximate Invariance Was Not Found For This Parameter.

Loadings for CNP_SF2B

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.638	0.649	-0.011	0.019	0.567

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.644

R-square/Explained variance/Invariance index: 0.998

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.649	0.005	0.009	0.567
17	0.638	-0.006	0.011	0.567

Loadings for CNP_SPCP

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.402	0.631	-0.228	0.128	0.074

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.528

R-square/Explained variance/Invariance index: 0.733

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.631	0.103	0.057	0.074
17	0.402	-0.126	0.071	0.074

Loadings for CNP_PCET

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.594	0.531	0.063	0.143	0.659

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.559

R-square/Explained variance/Invariance index: 0.860

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.531	-0.028	0.064	0.659
17	0.594	0.035	0.079	0.659

Loadings for CNP_CPW_

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.535	0.604	-0.069	0.110	0.531

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.573

R-square/Explained variance/Invariance index: 0.883

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.604	0.031	0.049	0.531

17 0.535 -0.038 0.061 0.531

Loadings for MEANSVT

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.786	0.577	0.208	0.140	0.137

Approximate Measurement Invariance Holds For Groups:
12 17

Weighted Average Value Across Invariant Groups: 0.671

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.577	-0.093	0.063	0.137
17	0.786	0.115	0.077	0.137

Loadings for MEANFC

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.697	0.692	0.005	0.010	0.597

Approximate Measurement Invariance Holds For Groups:
12 17

Weighted Average Value Across Invariant Groups: 0.695

R-square/Explained variance/Invariance index: 0.999

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.692	-0.002	0.004	0.597
17	0.697	0.003	0.005	0.597

Loadings for CNP_PVRT

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.773	0.829	-0.055	0.055	0.316

Approximate Measurement Invariance Holds For Groups:
12 17

Weighted Average Value Across Invariant Groups: 0.804

R-square/Explained variance/Invariance index: 0.828

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.829	0.025	0.025	0.316
17	0.773	-0.030	0.030	0.316

Loadings for CNP_PMAT

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.655	0.612	0.043	0.042	0.308

Approximate Measurement Invariance Holds For Groups:
12 17

Weighted Average Value Across Invariant Groups: 0.631

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.612	-0.019	0.019	0.308
17	0.655	0.024	0.023	0.308

Loadings for CNP_MEDF

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.416	0.395	0.021	0.017	0.206

Approximate Measurement Invariance Holds For Groups:
12 17

Weighted Average Value Across Invariant Groups: 0.404

R-square/Explained variance/Invariance index: 0.681

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.395	-0.009	0.008	0.206
17	0.416	0.012	0.009	0.206

Loadings for CNP_ER40

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.179	0.299	-0.120	0.102	0.241

Approximate Measurement Invariance Holds For Groups:
12 17

Weighted Average Value Across Invariant Groups: 0.245

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.299	0.054	0.046	0.241
17	0.179	-0.066	0.056	0.241

Loadings for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.769	0.770	-0.001	0.027	0.981

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.769

R-square/Explained variance/Invariance index: 1.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.770	0.000	0.012	0.981
17	0.769	0.000	0.015	0.981

Loadings for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.868	0.924	-0.056	0.072	0.442

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.899

R-square/Explained variance/Invariance index: 0.938

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.924	0.025	0.032	0.442
17	0.868	-0.031	0.040	0.442

Loadings for CNP_PVOC

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.942	0.637	0.305	0.092	0.001

Approximate Invariance Was Not Found For This Parameter.

Loadings for NP_WAIS4

Group	Group	Value	Value	Difference	SE	P-value
17	12	-1.074	-0.967	-0.106	0.061	0.082

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: -1.015

R-square/Explained variance/Invariance index: 0.943

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	-0.967	0.048	0.027	0.082
17	-1.074	-0.059	0.034	0.082

Loadings for NP_GPEG_

Group	Group	Value	Value	Difference	SE	P-value
17	12	0.641	0.731	-0.090	0.301	0.766

Approximate Measurement Invariance Holds For Groups:

12 17

Weighted Average Value Across Invariant Groups: 0.691

R-square/Explained variance/Invariance index: 0.962

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
12	0.731	0.040	0.135	0.766
17	0.641	-0.049	0.166	0.766

Average Invariance index: 0.720

**GUR+ Model: Invariance by Time
Time (0: Baseline; 1: Year 1; 2: Year 2; 3: Year 3)**

APPROXIMATE MEASUREMENT INVARIANCE (NONINVARIANCE) FOR GROUPS

Intercepts/Thresholds

CNP_SF2B	0	1	2	3
CNP_CPW_	0	1	(2)	(3)

CNP_PVRT (0) (1) (2) (3)
 CNP_PMAT 0 1 2 3
 CNP_MEDF 0 1 2 3
 CNP_ER40 (0) 1 2 3
 NP_WRAT4 (0) (1) (2) (3)
 NP_WRAT4 0 1 2 3
 CNP_PVOC 0 1 2 3
 NP_WAIS4 (0) (1) (2) (3)
 NP_GPEG_ (0) (1) 2 3
 CNP_SPCP_ 0 1 (2) (3)
 CNP_PCET (0) (1) (2) (3)
 MEANSVT 0 1 2 3
 MEANFC (0) (1) (2) (3)

Loadings for EXFUNC

CNP_SF2B 0 1 2 3
 CNP_SPCP (0) 1 2 3
 CNP_PCET 0 1 2 3

Loadings for EPISMEM

CNP_CPW_ 0 1 2 3
 MEANSVT 0 1 2 3
 MEANFC 0 1 2 3

Loadings for CMPLXCOG

CNP_PVRT 0 1 2 3
 CNP_PMAT 0 1 2 3

Loadings for SOCCOG

CNP_MEDF 0 1 2 3
 CNP_ER40 0 1 2 3

Loadings for GENAB

NP_WRAT4 0 1 2 3
 NP_WRAT4 0 1 2 3
 CNP_PVOC 0 1 2 3

Loadings for MOTORSP

NP_WAIS4 (0) 1 2 3
 NP_GPEG_ (0) 1 2 3

FACTOR MEAN COMPARISON AT THE 5% SIGNIFICANCE LEVEL IN DESCENDING ORDER

Results for Factor EXFUNC

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	1	0.137	
2	4	3	0.112	
3	3	2	0.092	
4	1	0	0.000	

Results for Factor EPISMEM

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	0	0.000	3
2	2	1	-0.040	3
3	3	2	-0.076	
4	4	3	-0.184	

Results for Factor CMPLXCOG

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	4	3	0.101	0
2	3	2	0.048	
3	2	1	0.029	
4	1	0	0.000	

Results for Factor SOCCOG

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	0	0.000	
2	3	2	-0.071	
3	2	1	-0.119	
4	4	3	-0.194	

Results for Factor GENAB

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	4	3	0.124	1 0
2	3	2	0.070	0
3	2	1	0.007	
4	1	0	0.000	

Results for Factor MOTORSP

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	4	3	0.021	1 0
2	3	2	0.011	1 0
3	2	1	0.003	
4	1	0	0.000	

ALIGNMENT OUTPUT

INVARIANCE ANALYSIS

Intercepts/Thresholds

Intercept for CNP_SF2B

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.004	-0.076	0.072	0.071	0.310
2	0	-0.063	-0.076	0.013	0.022	0.560
2	1	-0.063	-0.004	-0.059	0.060	0.328
3	0	-0.005	-0.076	0.071	0.073	0.329
3	1	-0.005	-0.004	-0.001	0.029	0.970
3	2	-0.005	-0.063	0.058	0.059	0.322

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: -0.039

R-square/Explained variance/Invariance index: 0.659

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.076	-0.037	0.037	0.319
1	-0.004	0.035	0.036	0.334
2	-0.063	-0.024	0.025	0.341
3	-0.005	0.034	0.037	0.358

Intercept for CNP_CPW_

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.047	0.164	-0.117	0.053	0.026

2	0	-0.083	0.164	-0.247	0.053	0.000
2	1	-0.083	0.047	-0.129	0.049	0.008
3	0	-0.105	0.164	-0.269	0.056	0.000
3	1	-0.105	0.047	-0.152	0.052	0.004
3	2	-0.105	-0.083	-0.023	0.043	0.595

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.108

R-square/Explained variance/Invariance index: 0.404

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.164	0.056	0.025	0.026
1	0.047	-0.061	0.028	0.026

Intercept for CNP_PVRT

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Measurement Invariance Holds For Groups:

Weighted Average Value Across Invariant Groups: NaN

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
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Intercept for CNP_PMAT

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.039	-0.055	0.016	0.022	0.476
2	0	-0.028	-0.055	0.027	0.022	0.215
2	1	-0.028	-0.039	0.011	0.022	0.601
3	0	-0.002	-0.055	0.053	0.021	0.013
3	1	-0.002	-0.039	0.038	0.022	0.082
3	2	-0.002	-0.028	0.026	0.022	0.236

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: -0.033

R-square/Explained variance/Invariance index: 0.785

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.055	-0.022	0.013	0.082
1	-0.039	-0.006	0.013	0.626
2	-0.028	0.005	0.014	0.714
3	-0.002	0.031	0.014	0.024

Intercept for CNP_MEDF

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.034	0.045	-0.011	0.007	0.106
2	0	0.024	0.045	-0.021	0.005	0.000
2	1	0.024	0.034	-0.011	0.005	0.046
3	0	0.001	0.045	-0.044	0.025	0.083
3	1	0.001	0.034	-0.033	0.021	0.111
3	2	0.001	0.024	-0.023	0.023	0.333

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.028

R-square/Explained variance/Invariance index: 0.888

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.045	0.017	0.008	0.021
1	0.034	0.007	0.004	0.074
2	0.024	-0.004	0.006	0.509

3 0.001 -0.027 0.018 0.143

Intercept for CNP_ER40

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.009	-0.233	0.242	0.064	0.000
2	0	0.169	-0.233	0.402	0.057	0.000
2	1	0.169	0.009	0.160	0.056	0.004
3	0	0.190	-0.233	0.423	0.059	0.000
3	1	0.190	0.009	0.181	0.056	0.001
3	2	0.190	0.169	0.021	0.039	0.587

Approximate Measurement Invariance Holds For Groups:

1 2 3

Weighted Average Value Across Invariant Groups: 0.117

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
1	0.009	-0.108	0.033	0.001
2	0.169	0.052	0.027	0.053
3	0.190	0.073	0.028	0.009

Intercept for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Measurement Invariance Holds For Groups:

Weighted Average Value Across Invariant Groups: NaN

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
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Intercept for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.046	-0.069	0.024	0.030	0.430
2	0	0.011	-0.069	0.080	0.034	0.020
2	1	0.011	-0.046	0.056	0.032	0.078
3	0	0.059	-0.069	0.128	0.040	0.001
3	1	0.059	-0.046	0.104	0.038	0.006
3	2	0.059	0.011	0.048	0.035	0.170

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: -0.016

R-square/Explained variance/Invariance index: 0.710

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.069	-0.053	0.020	0.009
1	-0.046	-0.029	0.019	0.123
2	0.011	0.027	0.020	0.182
3	0.059	0.075	0.026	0.004

Intercept for CNP_PVOC

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.034	-0.027	-0.007	0.021	0.740
2	0	-0.030	-0.027	-0.003	0.016	0.868
2	1	-0.030	-0.034	0.004	0.018	0.803
3	0	-0.029	-0.027	-0.002	0.012	0.857
3	1	-0.029	-0.034	0.005	0.014	0.723
3	2	-0.029	-0.030	0.000	0.016	0.977

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: -0.030

R-square/Explained variance/Invariance index: 0.994

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.027	0.003	0.010	0.777
1	-0.034	-0.004	0.012	0.730
2	-0.030	0.000	0.010	0.977
3	-0.029	0.001	0.007	0.914

Intercept for NP_WAIS4

Group	Group	Value	Value	Difference	SE	P-value
Approximate Invariance Was Not Found For This Parameter.						

Intercept for NP_GPEG_

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.021	0.248	-0.268	0.051	0.000
2	0	-0.116	0.248	-0.364	0.051	0.000
2	1	-0.116	-0.021	-0.095	0.046	0.040
3	0	-0.203	0.248	-0.451	0.056	0.000
3	1	-0.203	-0.021	-0.183	0.051	0.000
3	2	-0.203	-0.116	-0.087	0.051	0.087

Approximate Measurement Invariance Holds For Groups:

2 3

Weighted Average Value Across Invariant Groups: -0.157

R-square/Explained variance/Invariance index: 0.070

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
2	-0.116	0.041	0.024	0.087
3	-0.203	-0.046	0.027	0.087

Intercept for CNP_SPCP

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.001	-0.198	0.199	0.092	0.031
2	0	0.137	-0.198	0.335	0.061	0.000
2	1	0.137	0.001	0.136	0.061	0.026
3	0	0.128	-0.198	0.325	0.063	0.000
3	1	0.128	0.001	0.126	0.071	0.075
3	2	0.128	0.137	-0.009	0.040	0.814

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.103

R-square/Explained variance/Invariance index: 0.209

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.198	-0.095	0.044	0.031
1	0.001	0.104	0.048	0.031

Intercept for CNP_PCET

Group	Group	Value	Value	Difference	SE	P-value
Approximate Invariance Was Not Found For This Parameter.						

Intercept for MEANSVT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.017	0.017	0.000	0.014	0.978
2	0	0.027	0.017	0.010	0.014	0.468
2	1	0.027	0.017	0.010	0.016	0.532
3	0	0.007	0.017	-0.009	0.011	0.389
3	1	0.007	0.017	-0.010	0.012	0.426
3	2	0.007	0.027	-0.019	0.018	0.282

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.017

R-square/Explained variance/Invariance index: 0.975

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.017	-0.001	0.007	0.940
1	0.017	0.000	0.008	0.986
2	0.027	0.010	0.011	0.368
3	0.007	-0.010	0.009	0.257

Intercept for MEANFC

Group	Group	Value	Value	Difference	SE	P-value
Approximate Invariance Was Not Found For This Parameter.						

Loadings

Loadings for CNP_SF2B

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.507	0.493	0.015	0.031	0.638
2	0	0.502	0.493	0.009	0.023	0.694
2	1	0.502	0.507	-0.006	0.029	0.844
3	0	0.488	0.493	-0.005	0.017	0.780
3	1	0.488	0.507	-0.020	0.022	0.366
3	2	0.488	0.502	-0.014	0.023	0.547

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.498

R-square/Explained variance/Invariance index: 0.990

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.493	-0.005	0.015	0.733
1	0.507	0.010	0.019	0.601
2	0.502	0.004	0.016	0.796
3	0.488	-0.010	0.010	0.327

Loadings for CNP_SPCP

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.438	0.558	-0.120	0.084	0.155
2	0	0.274	0.558	-0.284	0.069	0.000
2	1	0.274	0.438	-0.164	0.079	0.038
3	0	0.258	0.558	-0.299	0.070	0.000
3	1	0.258	0.438	-0.180	0.080	0.025
3	2	0.258	0.274	-0.016	0.061	0.797

Approximate Measurement Invariance Holds For Groups:

1 2 3

Weighted Average Value Across Invariant Groups: 0.329

R-square/Explained variance/Invariance index: 0.209

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
1	0.438	0.109	0.047	0.020
2	0.274	-0.055	0.039	0.161
3	0.258	-0.071	0.042	0.091

Loadings for CNP_PCET

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.456	0.447	0.009	0.058	0.880
2	0	0.485	0.447	0.038	0.067	0.569
2	1	0.485	0.456	0.029	0.070	0.676
3	0	0.627	0.447	0.180	0.091	0.049
3	1	0.627	0.456	0.171	0.094	0.069
3	2	0.627	0.485	0.142	0.091	0.119

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.497

R-square/Explained variance/Invariance index: 0.646

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.447	-0.050	0.038	0.187
1	0.456	-0.041	0.042	0.321
2	0.485	-0.012	0.045	0.789
3	0.627	0.130	0.066	0.050

Loadings

Loadings for CNP_CPW_

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.528	0.512	0.017	0.038	0.661
2	0	0.545	0.512	0.033	0.040	0.413
2	1	0.545	0.528	0.017	0.039	0.668
3	0	0.516	0.512	0.005	0.036	0.899
3	1	0.516	0.528	-0.012	0.036	0.742
3	2	0.516	0.545	-0.028	0.038	0.454

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.525

R-square/Explained variance/Invariance index: 0.927

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.512	-0.013	0.023	0.556
1	0.528	0.003	0.023	0.885
2	0.545	0.020	0.025	0.427
3	0.516	-0.009	0.023	0.705

Loadings for MEANSVT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.576	0.552	0.024	0.041	0.557
2	0	0.573	0.552	0.021	0.035	0.551
2	1	0.573	0.576	-0.003	0.034	0.926
3	0	0.569	0.552	0.017	0.038	0.660
3	1	0.569	0.576	-0.007	0.035	0.831
3	2	0.569	0.573	-0.004	0.029	0.884

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.567

R-square/Explained variance/Invariance index: 0.973

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.552	-0.015	0.024	0.529
1	0.576	0.009	0.023	0.693
2	0.573	0.006	0.019	0.751
3	0.569	0.002	0.021	0.934

Loadings for MEANFC

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.539	0.644	-0.105	0.061	0.082
2	0	0.499	0.644	-0.145	0.057	0.011
2	1	0.499	0.539	-0.040	0.051	0.430
3	0	0.596	0.644	-0.048	0.056	0.389
3	1	0.596	0.539	0.057	0.052	0.267
3	2	0.596	0.499	0.097	0.049	0.049

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.572

R-square/Explained variance/Invariance index: 0.406

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.644	0.073	0.036	0.042
1	0.539	-0.032	0.033	0.330
2	0.499	-0.072	0.031	0.021
3	0.596	0.025	0.032	0.444

Loadings

Loadings for CNP_PVRT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.778	0.781	-0.003	0.034	0.920
2	0	0.766	0.781	-0.015	0.033	0.647
2	1	0.766	0.778	-0.012	0.034	0.725
3	0	0.734	0.781	-0.048	0.037	0.196
3	1	0.734	0.778	-0.044	0.037	0.236
3	2	0.734	0.766	-0.032	0.037	0.382

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.766

R-square/Explained variance/Invariance index: 0.385

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.781	0.015	0.020	0.453
1	0.778	0.011	0.021	0.582
2	0.766	0.000	0.021	0.985
3	0.734	-0.033	0.025	0.187

Loadings for CNP_PMAT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.628	0.625	0.003	0.030	0.919
2	0	0.638	0.625	0.013	0.029	0.648
2	1	0.638	0.628	0.010	0.029	0.725
3	0	0.662	0.625	0.038	0.028	0.174
3	1	0.662	0.628	0.035	0.028	0.213
3	2	0.662	0.638	0.024	0.027	0.356

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.637

R-square/Explained variance/Invariance index: 0.695

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.625	-0.012	0.017	0.484
1	0.628	-0.009	0.018	0.613
2	0.638	0.001	0.017	0.950
3	0.662	0.026	0.017	0.131

Loadings

Loadings for CNP_MEDF

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.399	0.407	-0.008	0.039	0.830
2	0	0.424	0.407	0.016	0.022	0.461
2	1	0.424	0.399	0.025	0.033	0.450

3	0	0.353	0.407	-0.054	0.070	0.440
3	1	0.353	0.399	-0.046	0.071	0.519
3	2	0.353	0.424	-0.070	0.080	0.377

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.398

R-square/Explained variance/Invariance index: 0.549

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.407	0.010	0.021	0.641
1	0.399	0.001	0.026	0.954
2	0.424	0.026	0.026	0.308
3	0.353	-0.044	0.056	0.428

Loadings for CNP_ER40

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.283	0.275	0.007	0.036	0.836
2	0	0.217	0.275	-0.058	0.065	0.369
2	1	0.217	0.283	-0.066	0.062	0.290
3	0	0.305	0.275	0.029	0.029	0.312
3	1	0.305	0.283	0.022	0.017	0.197
3	2	0.305	0.217	0.088	0.071	0.220

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.270

R-square/Explained variance/Invariance index: 0.741

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.275	0.006	0.024	0.808
1	0.283	0.013	0.020	0.508
2	0.217	-0.052	0.048	0.278
3	0.305	0.035	0.024	0.146

Loadings

Loadings for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.762	0.705	0.057	0.039	0.144
2	0	0.770	0.705	0.065	0.040	0.102
2	1	0.770	0.762	0.008	0.030	0.796
3	0	0.745	0.705	0.040	0.037	0.287
3	1	0.745	0.762	-0.017	0.030	0.564
3	2	0.745	0.770	-0.025	0.034	0.452

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.744

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.705	-0.039	0.025	0.113
1	0.762	0.018	0.019	0.351
2	0.770	0.026	0.021	0.224
3	0.745	0.001	0.021	0.975

Loadings for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.829	0.887	-0.058	0.039	0.136
2	0	0.769	0.887	-0.118	0.040	0.003
2	1	0.769	0.829	-0.060	0.038	0.112

3	0	0.777	0.887	-0.110	0.041	0.007
3	1	0.777	0.829	-0.053	0.038	0.162
3	2	0.777	0.769	0.008	0.034	0.827

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.820

R-square/Explained variance/Invariance index: 0.282

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.887	0.067	0.024	0.005
1	0.829	0.009	0.023	0.679
2	0.769	-0.051	0.023	0.028
3	0.777	-0.043	0.024	0.070

Loadings for CNP_PVOC

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.751	0.768	-0.017	0.025	0.497
2	0	0.782	0.768	0.013	0.021	0.528
2	1	0.782	0.751	0.031	0.032	0.340
3	0	0.803	0.768	0.035	0.027	0.207
3	1	0.803	0.751	0.052	0.036	0.149
3	2	0.803	0.782	0.021	0.031	0.501

Approximate Measurement Invariance Holds For Groups:

0 1 2 3

Weighted Average Value Across Invariant Groups: 0.774

R-square/Explained variance/Invariance index: 0.547

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.768	-0.006	0.011	0.582
1	0.751	-0.023	0.020	0.239
2	0.782	0.007	0.017	0.674
3	0.803	0.028	0.022	0.192

Loadings

Loadings for NP_WAIS4

Group	Group	Value	Value	Difference	SE	P-value
1	0	2.538	-0.837	3.375	0.538	0.000
2	0	2.743	-0.837	3.580	0.375	0.000
2	1	2.743	2.538	0.205	0.181	0.256
3	0	2.692	-0.837	3.529	0.457	0.000
3	1	2.692	2.538	0.154	0.221	0.486
3	2	2.692	2.743	-0.051	0.216	0.812

Approximate Measurement Invariance Holds For Groups:

1 2 3

Weighted Average Value Across Invariant Groups: 2.653

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
1	2.538	-0.115	0.108	0.284
2	2.743	0.090	0.109	0.408
3	2.692	0.039	0.139	0.782

Loadings for NP_GPEG_

Group	Group	Value	Value	Difference	SE	P-value
1	0	-1.473	0.614	-2.086	0.196	0.000
2	0	-1.337	0.614	-1.951	0.332	0.000
2	1	-1.337	-1.473	0.136	0.155	0.383
3	0	-1.378	0.614	-1.991	0.278	0.000

3	1	-1.378	-1.473	0.095	0.143	0.507
3	2	-1.378	-1.337	-0.040	0.178	0.820

Approximate Measurement Invariance Holds For Groups:

1 2 3

Weighted Average Value Across Invariant Groups: -1.399

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
1	-1.473	-0.074	0.077	0.335
2	-1.337	0.061	0.099	0.536
3	-1.378	0.021	0.098	0.832

Average Invariance index: 0.483

GUR+ Model: Invariance by Sex Sex (0: Female; 1: Male)

APPROXIMATE MEASUREMENT INVARIANCE (NONINVARIANCE) FOR GROUPS

Intercepts/Thresholds

CNP_SF2B	0	1
CNP_CPW_	0	1
CNP_PVRT	(0)	(1)
CNP_PMAT	0	1
CNP_MEDF	0	1
CNP_ER40	0	1
NP_WRAT4	(0)	(1)
NP_WRAT4	0	1
CNP_PVOC	0	1
NP_WAIS4	(0)	(1)
NP_GPEG_	0	1
CNP_SPCP	0	1
CNP_PCET	(0)	(1)
MEANSVT	0	1
MEANFC	(0)	(1)

Loadings for EXFUNC

CNP_SF2B	0	1
CNP_SPCP	0	1
CNP_PCET	0	1

Loadings for EPISMEM

CNP_CPW_	0	1
MEANSVT	0	1
MEANFC	0	1

Loadings for CMPLXCOG

CNP_PVRT	0	1
CNP_PMAT	0	1

Loadings for SOCCOG

CNP_MEDF	0	1
CNP_ER40	0	1

Loadings for GENAB

NP_WRAT4	0	1
NP_WRAT4	0	1
CNP_PVOC	0	1

Loadings for MOTORSP

NP_WAIS4	(0)	(1)
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NP_GPEG_ (0) (1)

FACTOR MEAN COMPARISON AT THE 5% SIGNIFICANCE LEVEL IN DESCENDING ORDER

Results for Factor EXFUNC

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	1	0.041	
2	1	0	0.000	

Results for Factor EPISMEM

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	1	0.019	
2	1	0	0.000	

Results for Factor CMPLXCOG

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	1	0.110	
2	1	0	0.000	

Results for Factor SOCCOG

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	0	0.000	
2	2	1	-0.269	

Results for Factor GENAB

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	2	1	0.146	0
2	1	0	0.000	

Results for Factor MOTORSP

Ranking	Latent Class	Group Value	Factor Mean	Groups With Significantly Smaller Factor Mean
1	1	0	0.000	
2	2	1	-0.030	

ALIGNMENT OUTPUT

INVARIANCE ANALYSIS

Intercepts/Thresholds

Intercept for CNP_SF2B

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.025	-0.130	0.105	0.088	0.230

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.079

R-square/Explained variance/Invariance index: 0.294

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.130	-0.052	0.043	0.230

1 -0.025 0.054 0.045 0.230

Intercept for CNP_CPW

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.041	0.280	-0.240	0.076	0.002

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.163

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.280	0.118	0.037	0.002
1	0.041	-0.122	0.038	0.002

Intercept for CNP_PVRT

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Invariance Was Not Found For This Parameter.

Intercept for CNP_PMAT

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.035	-0.138	0.102	0.135	0.447

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.088

R-square/Explained variance/Invariance index: 0.655

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.138	-0.050	0.066	0.447
1	-0.035	0.052	0.068	0.447

Intercept for CNP_MEDF

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.128	0.108	0.020	0.019	0.291

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.118

R-square/Explained variance/Invariance index: 1.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.108	-0.010	0.010	0.291
1	0.128	0.010	0.010	0.291

Intercept for CNP_ER40

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.239	-0.159	-0.080	0.106	0.447

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.198

R-square/Explained variance/Invariance index: 0.740

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.159	0.039	0.052	0.447
1	-0.239	-0.041	0.054	0.447

Intercept for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
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Approximate Invariance Was Not Found For This Parameter.

Intercept for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.106	-0.138	0.032	0.038	0.400

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.123

R-square/Explained variance/Invariance index: 0.954

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.138	-0.016	0.018	0.400
1	-0.106	0.016	0.019	0.400

Intercept for CNP_PVOC

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.065	-0.082	0.016	0.028	0.557

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.074

R-square/Explained variance/Invariance index: 0.980

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.082	-0.008	0.014	0.557
1	-0.065	0.008	0.014	0.557

Intercept for NP_WAIS4

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.065	-0.082	0.016	0.028	0.557

Approximate Invariance Was Not Found For This Parameter.

Intercept for NP_GPEG_

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.259	0.239	0.020	0.043	0.645

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.249

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.239	-0.010	0.021	0.645
1	0.259	0.010	0.022	0.645

Intercept for CNP_SPCP

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.215	-0.192	-0.022	0.035	0.518

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: -0.203

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.192	0.011	0.017	0.518
1	-0.215	-0.011	0.018	0.518

Intercept for CNP_PCET

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.215	-0.192	-0.022	0.035	0.518

Approximate Invariance Was Not Found For This Parameter.

Intercept for MEANSVT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.054	-0.017	0.070	0.064	0.270

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.018
R-square/Explained variance/Invariance index: 0.256

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	-0.017	-0.035	0.031	0.270
1	0.054	0.036	0.032	0.270

Intercept for MEANFC

Group Group Value Value Difference SE P-value
Approximate Invariance Was Not Found For This Parameter.

Loadings

Loadings for CNP_SF2B

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.490	0.475	0.015	0.061	0.803

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.483
R-square/Explained variance/Invariance index: 0.915

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.475	-0.007	0.030	0.803
1	0.490	0.008	0.031	0.803

Loadings for CNP_SPCP

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.546	0.536	0.011	0.059	0.859

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.541
R-square/Explained variance/Invariance index: 0.958

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.536	-0.005	0.029	0.859
1	0.546	0.005	0.030	0.859

Loadings for CNP_PCET

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.344	0.515	-0.170	0.087	0.049

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.431
R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.515	0.084	0.042	0.049
1	0.344	-0.087	0.044	0.049

Loadings

Loadings for CNP_CPW_

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.529	0.532	-0.003	0.057	0.959

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.531
R-square/Explained variance/Invariance index: 0.995

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.532	0.001	0.028	0.959
1	0.529	-0.001	0.029	0.959

Loadings for MEANSVT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.595	0.567	0.028	0.074	0.708

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.580

R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.567	-0.014	0.036	0.708
1	0.595	0.014	0.038	0.708

Loadings for MEANFC

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.650	0.676	-0.026	0.076	0.728

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.663

R-square/Explained variance/Invariance index: 0.874

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.676	0.013	0.037	0.728
1	0.650	-0.013	0.039	0.728

Loadings

Loadings for CNP_PVRT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.815	0.809	0.006	0.053	0.914

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.812

R-square/Explained variance/Invariance index: 0.991

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.809	-0.003	0.026	0.914
1	0.815	0.003	0.027	0.914

Loadings for CNP_PMAT

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.647	0.652	-0.005	0.043	0.914

Approximate Measurement Invariance Holds For Groups:

0 1

Weighted Average Value Across Invariant Groups: 0.650

R-square/Explained variance/Invariance index: 0.993

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.652	0.002	0.021	0.914
1	0.647	-0.002	0.022	0.914

Loadings for CNP_MEDF

Group	Group	Value	Value	Difference	SE	P-value
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1	0	0.489	0.348	0.141	0.189	0.456
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Approximate Measurement Invariance Holds For Groups:
0 1
Weighted Average Value Across Invariant Groups: 0.417
R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.348	-0.069	0.093	0.456
1	0.489	0.072	0.096	0.456

Loadings for CNP_ER40

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.268	0.287	-0.019	0.014	0.185

Approximate Measurement Invariance Holds For Groups:
0 1
Weighted Average Value Across Invariant Groups: 0.277
R-square/Explained variance/Invariance index: 0.841

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.287	0.009	0.007	0.185
1	0.268	-0.010	0.007	0.185

Loadings for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.581	0.757	-0.175	0.068	0.010

Approximate Measurement Invariance Holds For Groups:
0 1
Weighted Average Value Across Invariant Groups: 0.670
R-square/Explained variance/Invariance index: 0.000

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.757	0.086	0.033	0.010
1	0.581	-0.089	0.035	0.010

Loadings for NP_WRAT4

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.857	0.829	0.028	0.040	0.477

Approximate Measurement Invariance Holds For Groups:
0 1
Weighted Average Value Across Invariant Groups: 0.843
R-square/Explained variance/Invariance index: 0.940

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.829	-0.014	0.020	0.477
1	0.857	0.014	0.020	0.477

Loadings for CNP_PVOC

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.739	0.720	0.019	0.031	0.528

Approximate Measurement Invariance Holds For Groups:
0 1
Weighted Average Value Across Invariant Groups: 0.729
R-square/Explained variance/Invariance index: 0.959

Invariant Group Values, Difference to Average and Significance

Group	Value	Difference	SE	P-value
0	0.720	-0.010	0.015	0.528
1	0.739	0.010	0.016	0.528

Loadings for NP_WAIS4

Group	Group	Value	Value	Difference	SE	P-value
1	0	0.846	-0.794	1.641	0.112	0.000

Approximate Invariance Was Not Found For This Parameter.

Loadings for NP_GPEG_

Group	Group	Value	Value	Difference	SE	P-value
1	0	-0.576	0.614	-1.190	0.101	0.000

Approximate Invariance Was Not Found For This Parameter.

Average Invariance index: 0.580