Correction to: Basic psychological need satisfaction across the retirement transition: Changes and longitudinal associations with depressive symptoms

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Correction to: Motivation and Emotion
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The original version of this article unfortunately contained a mistake.

- (a) The footnote text overlapped with the article text. However, it is now correct and given below:

We combined the retired W2 and retired W3 groups as their levels of and changes in need satisfaction and their

effects on the second-order intercept and slope factors were identical. Hence, we reduced the dummy coded predictors to two instead of three to simplify the model.

- (b) The alignment of Tables 1, 2, 3 and 5 are corrected. The updated tables are given below.
(c) In the Table 2, the heading “Comptence” should read as “Competence”.

The original article has been corrected.

The original article can be found online at <https://doi.org/10.1007/s11031-020-09854-2>.

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Table 1 Longitudinal measurement invariance across time and groups in the multi-item scales (BPNSFS and CES-D 8) and model fit of the LGCMs

Model	χ^2	df	p	RMSEA [90% CI]	CFI	TLI	SRMR
Autonomy							
Configural	72.360	60	.1316	.018 [.000, .031]	.998	.994	.018
Metric within groups	81.598	76	.3095	.011 [.000, .025]	.999	.998	.025
Metric within and between groups	84.953	82	.3898	.007 [.000, .023]	.999	.999	.025
Scalar within groups	126.369	98	.0284	.021 [.007, .031]	.995	.992	.028
Scalar within and between groups	148.067	104	.0030	.025 [.015, .034]	.992	.989	.033
Second-order LGCM	206.031	110	< .001	.036 [.029, .044]	.982	.977	.045
Competence							
Configural	83.223	60	.0253	.024 [.009, .036]	.995	.988	.020
Metric within groups	97.613	76	.0482	.021 [.002, .032]	.995	.991	.028
Metric within and between groups	104.299	82	.0489	.020 [.002, .031]	.995	.992	.032
Scalar within groups	147.156	98	.0010	.028 [.018, .036]	.990	.985	.033
Scalar within and between groups	166.658	104	< .001	.030 [.021, .038]	.987	.982	.034
Second-order LGCM	175.027	110	< .001	.030 [.021, .038]	.986	.982	.036
Relatedness							
Configural	70.216	60	.1725	.016 [.000, .030]	.998	.995	.021
Metric within groups	81.790	76	.3043	.011 [.000, .025]	.999	.998	.031
Metric within and between groups	84.792	82	.3945	.007 [.000, .023]	.999	.999	.034
Scalar within groups	108.662	98	.2169	.013 [.000, .025]	.998	.997	.037
Scalar within and between groups	113.618	104	.2441	.012 [.000, .024]	.998	.997	.040
Second-order LGCM	137.191	112	.0531	.018 [.000, .028]	.994	.993	.046
Depressive symptoms							
Configural	2420.444	900	< .001	.050 [.048, .053]	.912	.891	.055
Metric within groups	2448.966	956	< .001	.049 [.046, .051]	.913	.900	.057
Metric within and between groups	2445.751	977	< .001	.048 [.045, .050]	.915	.903	.059
Scalar within groups	2568.756	1033	< .001	.047 [.045, .050]	.911	.904	.059
Scalar within and between groups	2645.825	1054	< .001	.048 [.045, .050]	.907	.903	.060
Second-order LGCM	2634.837	1058	< .001	.047 [.045, .050]	.908	.904	.060
Multivariate LGCM							
Autonomy – depressive symptoms	6120.384	2963	< .001	.040 [.039, .041]	.895	.888	.059
Competence – depressive symptoms	6023.328	2975	< .001	.039 [.038, .041]	.895	.889	.059
Relatedness – depressive symptoms	5879.779	2971	< .001	.038 [.037, .040]	.900	.894	.063

Table 2 Intercept and slope estimates from the multigroup LGCMs of need satisfaction

	Autonomy				Competence				Relatedness			
	Working	Constantly Retired	Retired W2	Retired W3	Working	Constantly Retired	Retired W2	Retired W3	Working	Constantly Retired	Retired W2	Retired W3
Intercept mean	3.745*	4.062*	3.871*	3.676*	3.986*	3.912*	3.869*	3.870*	4.472*	4.547*	4.498*	4.476*
Slope mean	0.023*	− 0.006	0.106*	0.154*	0.036*	0.016	0.031	0.026	− 0.010	0.005	0.019	0.021
Intercept variance	0.298*	0.245*	0.272*	0.296*	0.242*	0.206*	0.306*	0.262*	0.197*	0.168*	0.202*	0.160*
Slope variance	0.033*	0.001	Set to 0	0.017	0.011	0.001	0.036*	0.001	0.028*	0.004	0.013	0.001
Intercept – Slope Covariance	− 0.022	− 0.002	Set to 0	− 0.032	− 0.004	− 0.003	− 0.031	0.002	− 0.017*	− 0.010	− 0.011	0.004
Intercept – Slope correlation	− 0.219*	− 0.122	Set to 0	− 0.453	− 0.086	− 0.192	− 0.292*	0.096	− 0.225*	− 0.395	− 0.224	0.291

* $p < .05$ **Table 3** Intercept and slope estimates from the multigroup LGCMs of depressive symptoms

	Working	Constantly Retired	Retired W2	Retired W3
Intercept mean	0.505*	0.427*	0.440*	0.526*
Slope mean	− 0.005	0.000	0.001	− 0.035*
Intercept variance	0.131*	0.109*	0.132*	0.125*
Slope variance	0.001	0.001	0.014	0.001
Intercept–slope covariance	− 0.005	0.003	− 0.007	− 0.007
Intercept–slope correlation	− 0.451	0.270	− 0.162	− 0.571

* $p < .05$

Table 5 Parameter estimates (unstandardized estimates) from the multivariate LGCMs

	Working	Retired	Retired W2	Retired W3
$\alpha_{\text{autonomy}} \rightarrow \beta_{\text{depressive symptoms}}$	−0.011	−0.049	−0.039	−0.071
$\alpha_{\text{depressive symptoms}} \rightarrow \beta_{\text{autonomy}}$	−0.100	−0.037	−0.257	−0.074
$\alpha_{\text{autonomy}} \leftrightarrow \alpha_{\text{depressive symptoms}}$	−0.059*	−0.049*	−0.055*	−0.047*
$\beta_{\text{depressive symptoms}} \leftrightarrow \beta_{\text{autonomy}}$	−0.002	0 ^a	0 ^a	0 ^a
$WP_{\text{depressive symptoms}} \leftrightarrow WP_{\text{autonomy}}$	−0.019*	−0.017*	−0.018*	−0.039*
$\alpha_{\text{competence}} \rightarrow \beta_{\text{depressive symptoms}}$	0.004	−0.011	0.004	0.056
$\alpha_{\text{depressive symptoms}} \rightarrow \beta_{\text{competence}}$	0.007	0.029	−0.019	−0.017
$\alpha_{\text{competence}} \leftrightarrow \alpha_{\text{depressive symptoms}}$	−0.052*	−0.039*	−0.052*	−0.071*
$\beta_{\text{depressive symptoms}} \leftrightarrow \beta_{\text{competence}}$	0 ^a	0 ^a	0 ^a	0 ^a
$WP_{\text{depressive symptoms}} \leftrightarrow WP_{\text{competence}}$	0.012*	−0.015*	−0.022*	−0.030*
$\alpha_{\text{relatedness}} \rightarrow \beta_{\text{depressive symptoms}}$	−0.012	−0.036	0.058	−0.015
$\alpha_{\text{depressive symptoms}} \rightarrow \beta_{\text{relatedness}}$	−0.085*	−0.033	−0.068	−0.052
$\alpha_{\text{relatedness}} \leftrightarrow \alpha_{\text{depressive symptoms}}$	−0.042*	−0.034*	−0.038*	−0.029*
$\beta_{\text{depressive symptoms}} \leftrightarrow \beta_{\text{relatedness}}$	0 ^a	0 ^a	−0.002	0 ^a
$WP_{\text{depressive symptoms}} \leftrightarrow WP_{\text{relatedness}}$	−0.012*	−0.011*	−0.006	−0.016*

Control variables in all of these models were age, years of education, sex, civil status, leisure activities, self-rated health, income satisfaction, and control over retirement (not in the working group)

α intercept, β slope, WP within-person

^avariances and covariances set to 0 to avoid inadmissible solutions

* $p < .05$

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