

## CORRECTION

# Correction: Mediation and moderation effects of health system structure and process on the quality of mental health services in Ghana—structural equation modelling

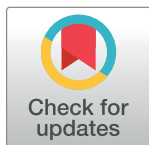
Eric Badu, Anthony Paul O'Brien, Rebecca Mitchell, Akwasi Osei

There are errors in [Fig 1](#) and [Fig 2](#) regarding the covary between observed variable “G” (under latent variable Structure) and observed variable “M” (under latent variable Process). In [Fig 2](#), the covary for the modification of the model is performed between observed variables under the same latent variable. Goodness of Fit: RMSEA = 0.05; 90% CI, lower bound = 0.050; upper bound = 0.063;  $p_{close} = 0.062$  Probability RMSEA  $\leq 0.05$ ; Comparative fit index (CFI) = 0.940; Tucker-Lewis index (TLI) = 0.917; Coefficient of determination = 0.88. Please see the correct [Fig 1](#) and [Fig 2](#) here.

These errors also occur in the Confirmatory factor analysis results subsection of the Results and in [Table 4](#). The correct paragraph is:

As shown in [Table 3](#), the correlation matrix demonstrates sufficient convergent and discriminant correlation between the VSS-54 construct and WHODAS construct. [Fig 1](#), graphically describes the hypothesized SEM. Results from the CFA showed that the hypothesized model had a good fit with the Residual Mean Square of Approximation (RMSEA) = **0.05**; 90% CI, lower bound = **0.050**; upper bound = **0.063**;  $p_{close} = 0.062$ ; Comparative fit index (CFI) = **0.940**; Tucker-Lewis index (TLI) = **0.917**; Coefficient of determination = **0.88**. Details of the standardized coefficient estimates for CFA is represented in [Fig 2](#) and [Table 4](#). The path model result shows that the health system *structure* was significantly related to the *process* and *outcome* ( $\beta = 0.47$ ;  $p < 0.001$ ). Similarly, the health systems *structure* construct was mediated by the *process* construct in its relationship with the *outcome* ( $\beta = 0.346$ ;  $p < 0.001$ ).

Please see the correct [Table 4](#) here.

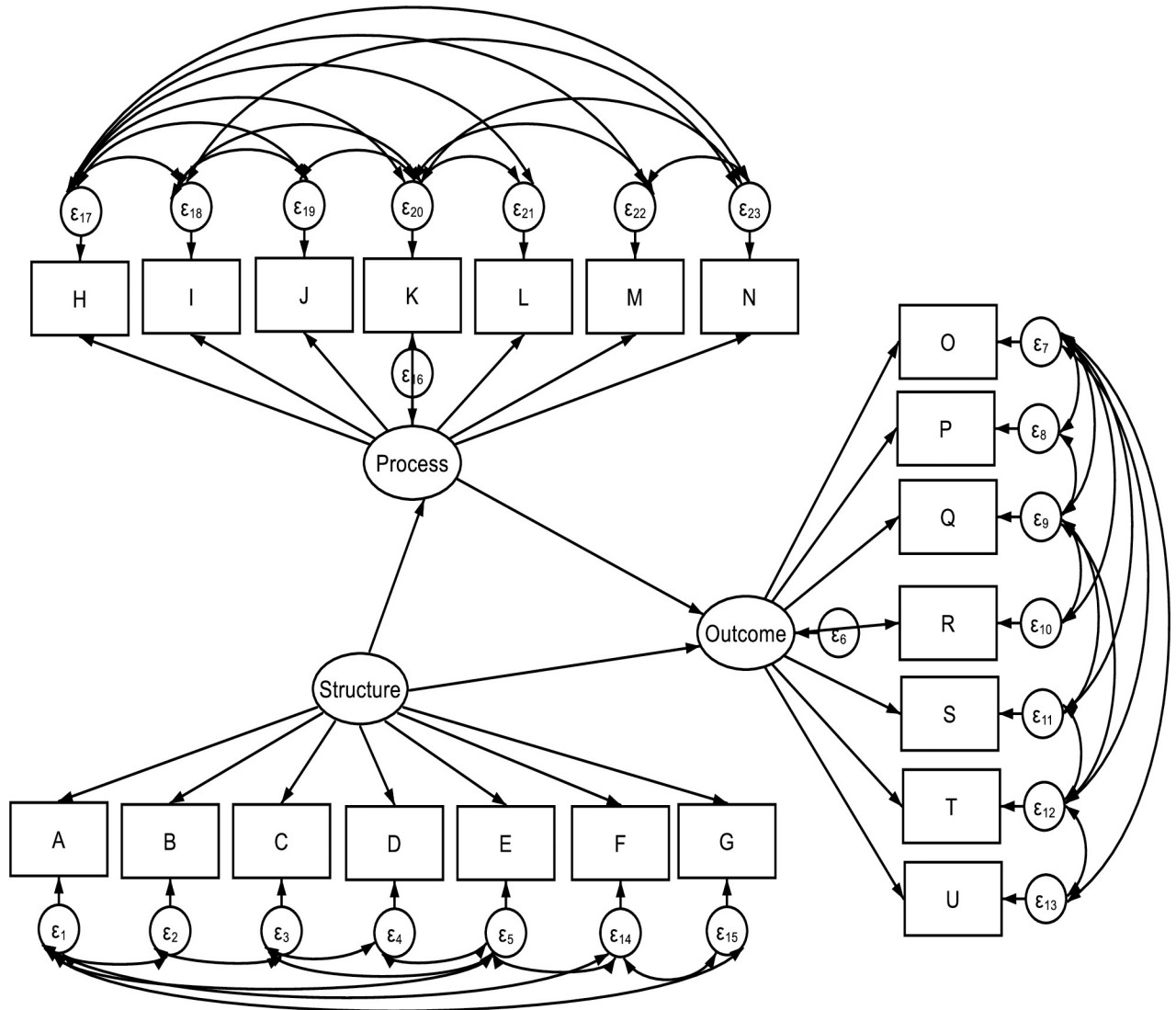


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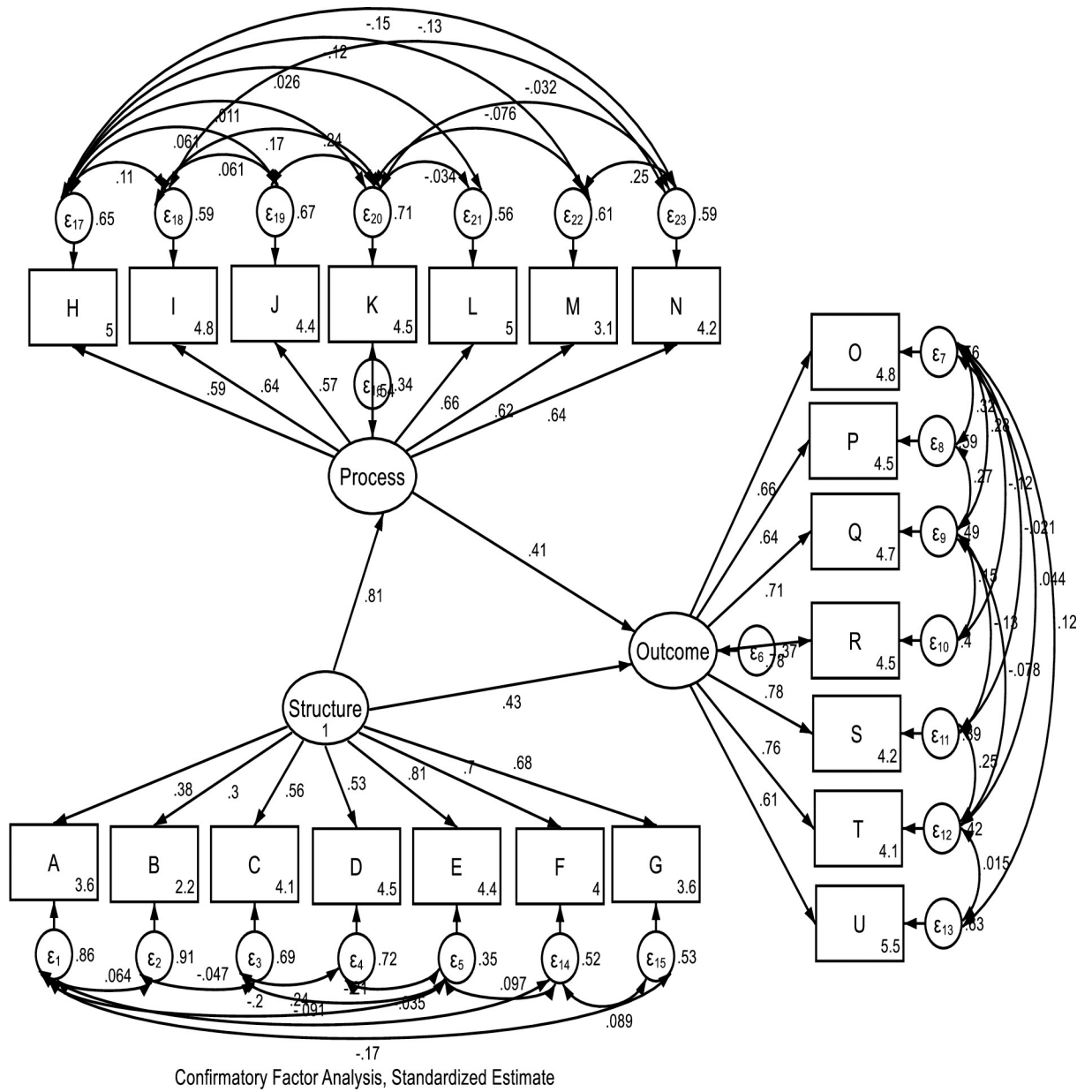
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**Fig 1. Hypothesised structural equation model.**

<https://doi.org/10.1371/journal.pone.0246137.g001>



**Fig 2. Standardized coefficient estimates of hypothesized SEM.**

<https://doi.org/10.1371/journal.pone.0246137.g002>

Table 4. Standardized coefficient estimates for CFA.

Variables	Latent constructs	$\beta$	SE	95% CI
<i>Structural</i>				
Process	Outcome	0.47**	0.13	0.21–0.73
Structure	Outcome	0.60**	0.17	0.27–0.96
Structure	Process	1.01**	0.16	0.69–1.32
<i>Measurement</i>				
Accessibility	Structure	1.00		
Affordability	Structure	0.96**	0.19	0.58–1.34
Managing Side effects	Structure	1.38**	0.22	0.95–1.81
Response of Service to Crises	Structure	1.19**	0.19	0.80–1.57
Listen to the worries of Relatives	Structure	1.89**	0.27	1.36–2.42
Recommendation to relatives	Structure	1.73**	0.25	1.22–2.21
Information to Relatives	Structure	1.89**	0.27	1.32–2.41
Competency of psychiatrist	Process	1.00		
Psychiatrist listen & understand illness	Process	1.15**	0.11	0.93–1.37
Instructions about appointment	Process	1.07**	0.11	0.85–1.30
Cooperation between service providers	Process	.96**	0.11	0.73–1.19
Confidentiality and respect for your right	Process	1.16**	0.11	0.93–1.38
Information about diagnosis and prognosis	Process	1.52**	0.17	1.18–1.85
Explanation of procedures and approaches	Process	1.14**	0.13	0.97–1.50
Attaining wellbeing	Outcome	1.00		
Knowledge & understanding	Outcome	0.01**	0.07	0.85–1.16
Symptoms	Outcome	1.08**	0.08	0.92–1.16
Self-care	Outcome	1.25**	0.10	1.05–1.46
Relationship	Outcome	1.31**	0.10	1.10–1.52
Work/vocational skills	Outcome	1.31**	0.10	1.10–1.52
Satisfaction	Outcome	0.79**	0.07	0.65–0.93

\*\*Significance  $p < 0.01$ ; Goodness of Fit: RMSEA = 0.05; 90% CI, lower bound = 0.050; upper bound = 0.063; pclose = 0.062 Probability RMSEA  $\leq$  0.05; Comparative fit index (CFI) = 0.940; Tucker-Lewis index (TLI) = 0.917; Coefficient of determination = 0.88

<https://doi.org/10.1371/journal.pone.0246137.t001>

## Reference

1. Badu E, O'Brien AP, Mitchell R, Osei A (2020) Mediation and moderation effects of health system structure and process on the quality of mental health services in Ghana—structural equation modelling. PLoS ONE 15(5): e0233351. <https://doi.org/10.1371/journal.pone.0233351> PMID: 32442192