

Individual Management Plan

Patient Name: Mrs. Person

Needs:

To enjoy watching television set to a level comfortable for my husband.
To be able to video call with the grandchildren in Australia easily.
To manage calls from call centre workers without having to pass the phone to my husband.
To be alerted when there is a caller at the front door.
To be able to join in the conversation at art class so I don't feel embarrassed.

Planned Actions:

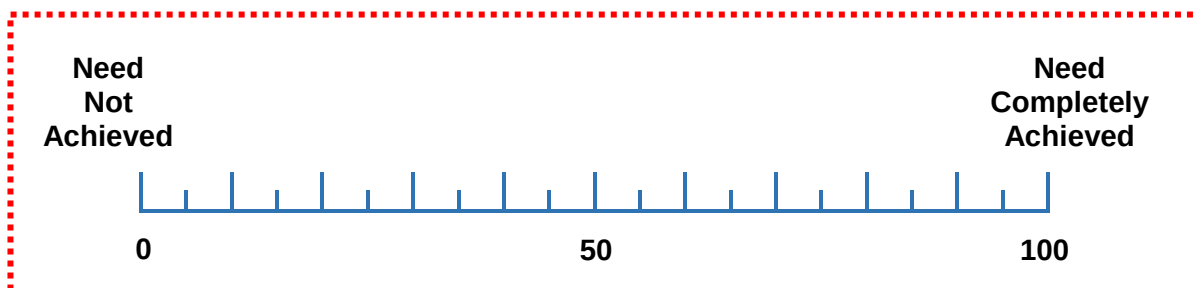
Try two hearing aids and connect them to my smartphone.
To understand how to use hearing aid with the telephone.
Consider fitting a new doorbell at home.

Completed Actions:

Two hearing aids provided and connected to smartphone.

Outcomes:

TV is now clear and also comfortable for my husband (100).
Managing calls with grandchildren well and not needing to ask them to repeat themselves (90).
Still struggling with call centre calls despite correct handset placement. Not very concerned as doesn't happen often but may consider a loop enabled phone in future (45).
Not missed callers at the door since new doorbell was fitted (100).
Can still struggle a little at art class if it is very busy, however, much less embarrassed now (80).



Clinician: A.N. Audiologist

Date: 04/02/2025

Online Resource 1 Sample of a completed face-to-face IMP-OS.
Red dotted lines represent additions made to IMP to create IMP-OS

Individual Management Plan - Outcome Score

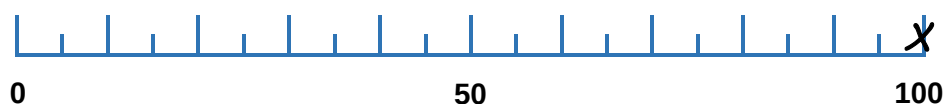
In the table below are the individual Needs that were identified and agreed at your hearing assessment appointment and are written in your management plan.

Please look at each Need then mark an 'X' on the scale to show how well you feel that Needs has been met.

Need 1: To enjoy watching television set to a level comfortable for your husband.

Need
Not
Achieved

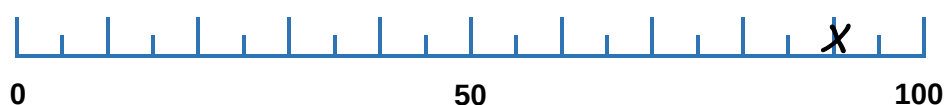
Need
Completely
Achieved



Need 2: To be able to video call with the grandchildren in Australia easily.

Need
Not
Achieved

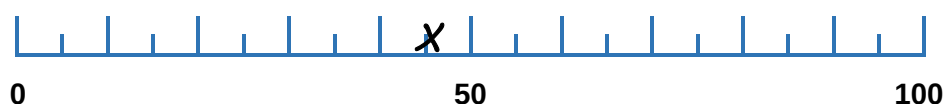
Need
Completely
Achieved



Need 3: To manage calls from call centre workers without having to pass the phone to my husband.

Need
Not
Achieved

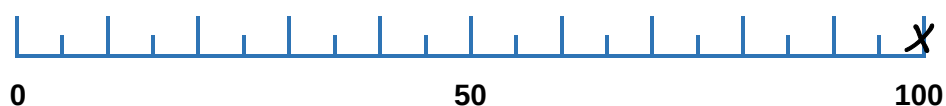
Need
Completely
Achieved



Need 4: To be alerted when there is a caller at the front door.

Need
Not
Achieved

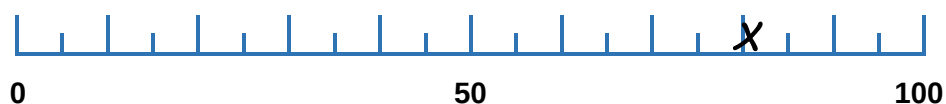
Need
Completely
Achieved

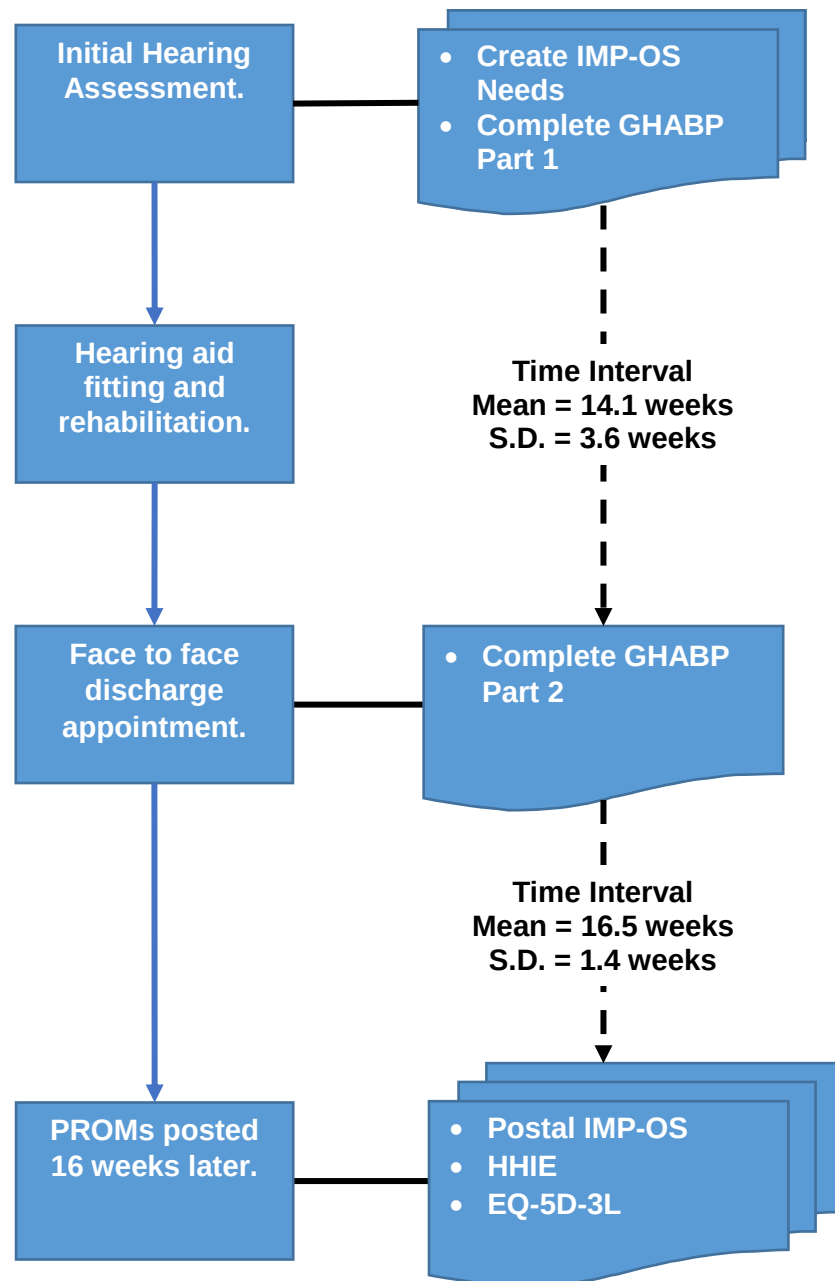


Need 5: To be able to join in the conversation at art class so I don't feel embarrassed.

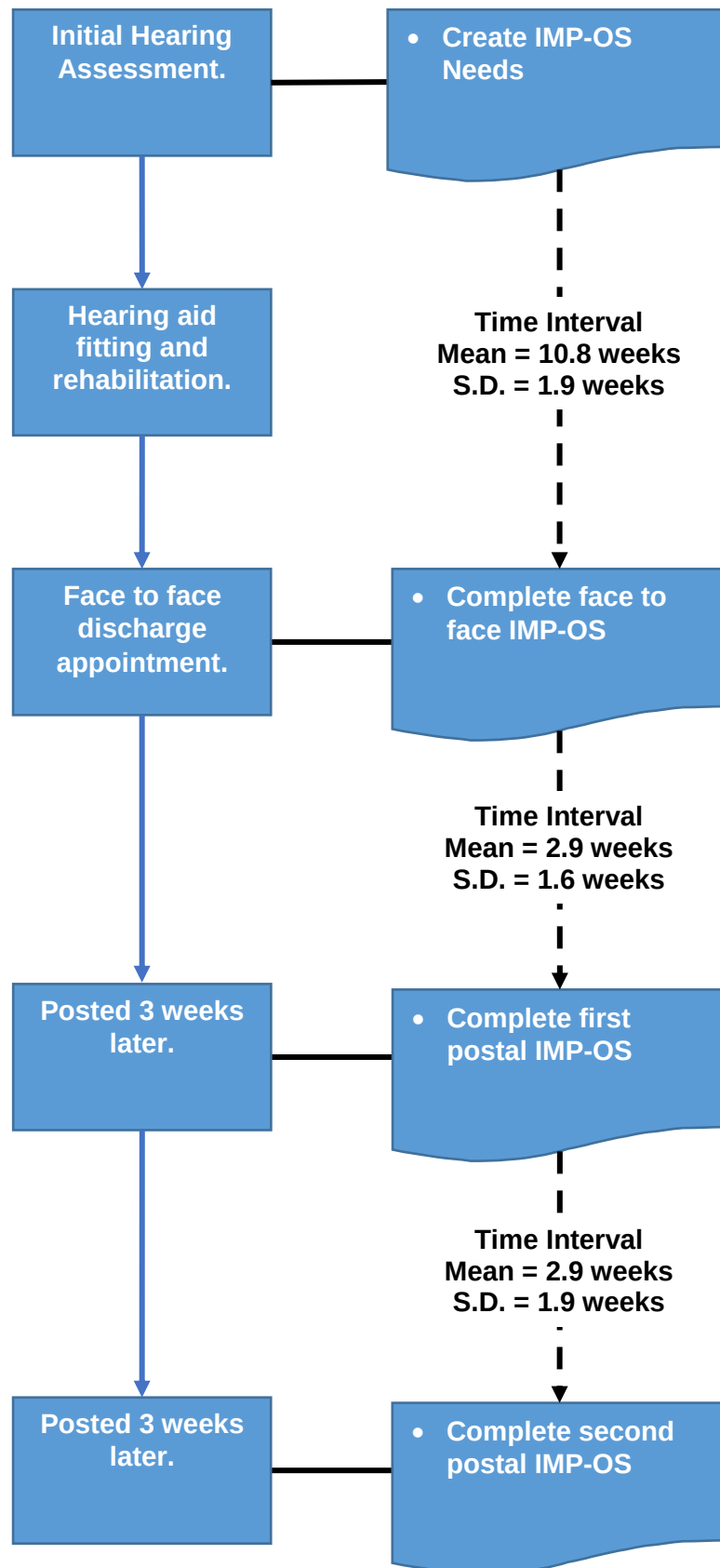
Need
Not
Achieved

Need
Completely
Achieved





Online Resource 3 Sample A methodology flowchart



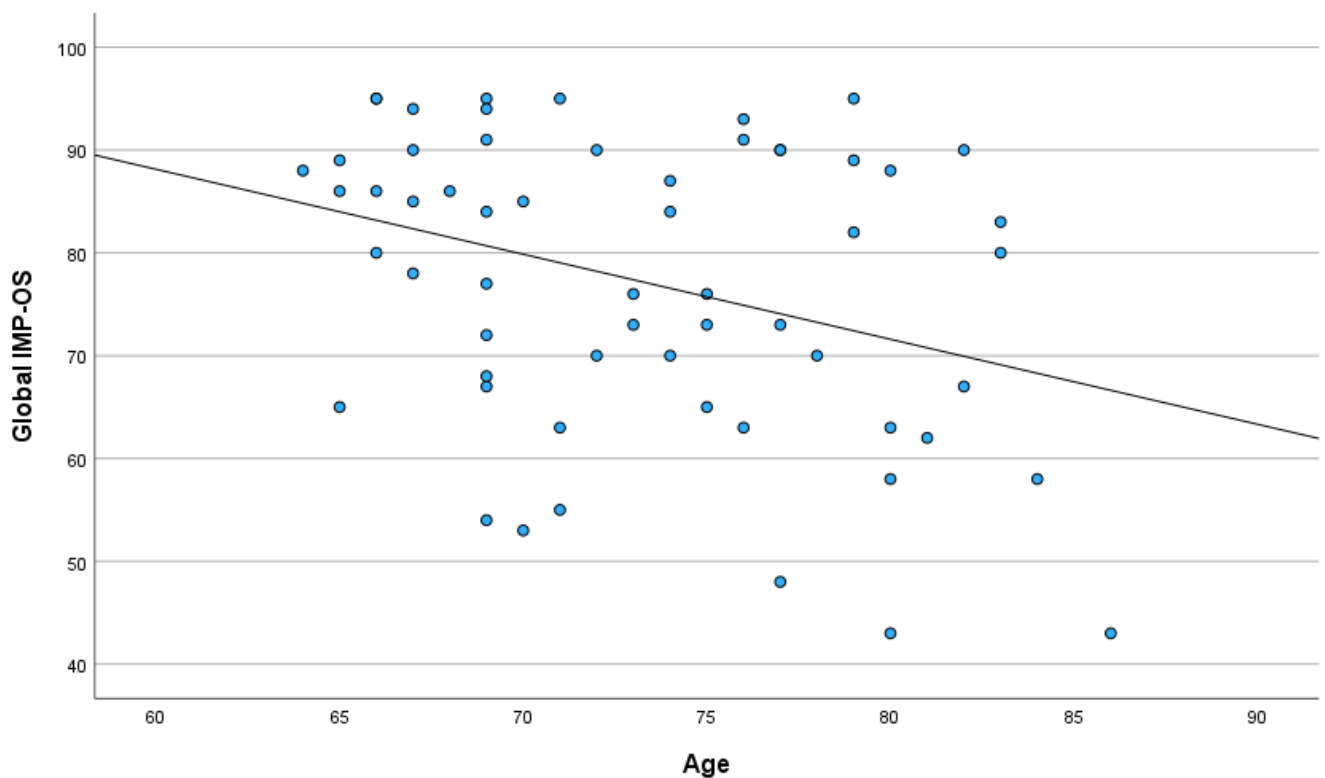
Online Resource 4 Sample B methodology flowchart

Variable		N	Mean Global IMP-OS	S.D.	t	df	p
Gender	Male	34	78.32	14.63	.718	57	.476
	Female	25	75.60	14.10			

Online Resource 5 Relationships between GL-IMP-OS in sample A with gender using two-tailed independent t-test

Variable	N	Correlation Coefficient	p
Age	59	-.310	.017*
Better Ear	59	-.024	.853
Poorer Ear	59	-.031	.818
* Correlation is significant at the 0.05 level (2-tailed).			

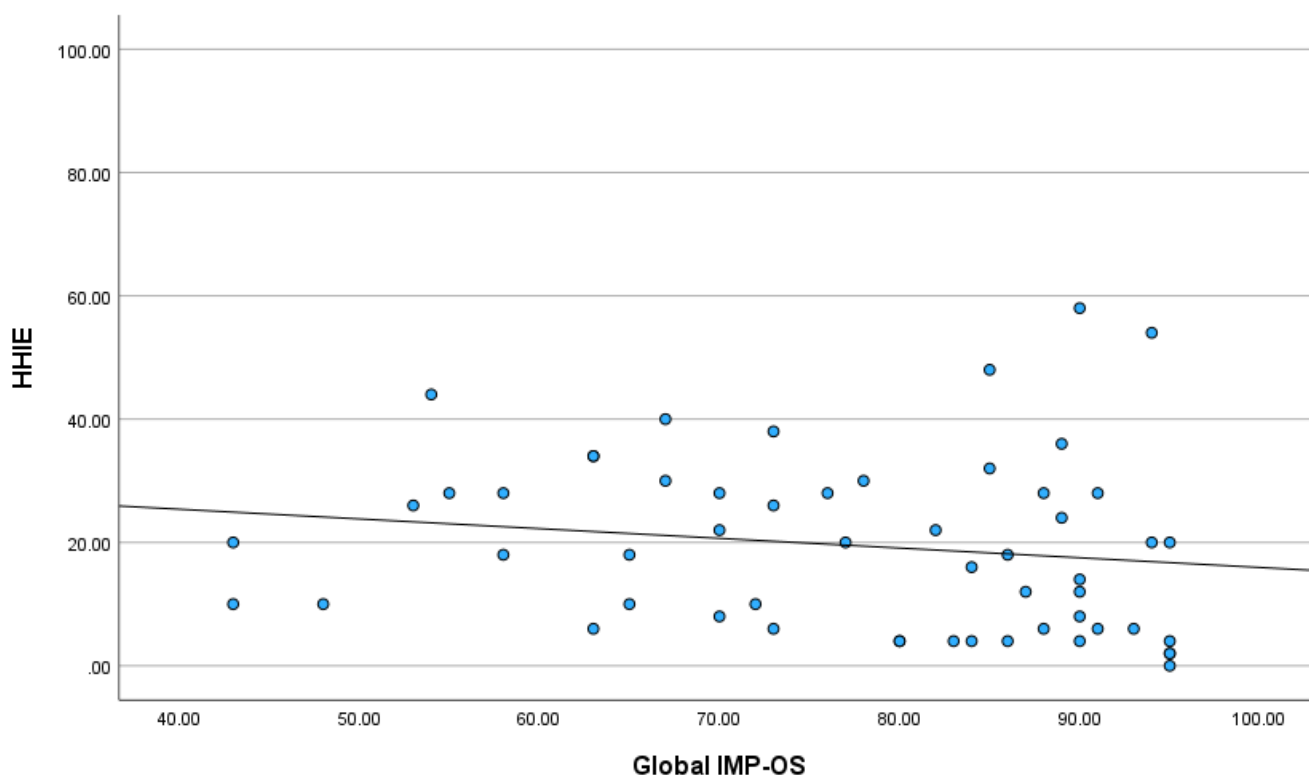
Online Resource 6 Relationships between GL-IMP-OS in sample A with age and hearing levels using non-parametric two-tailed Spearman's rho correlation



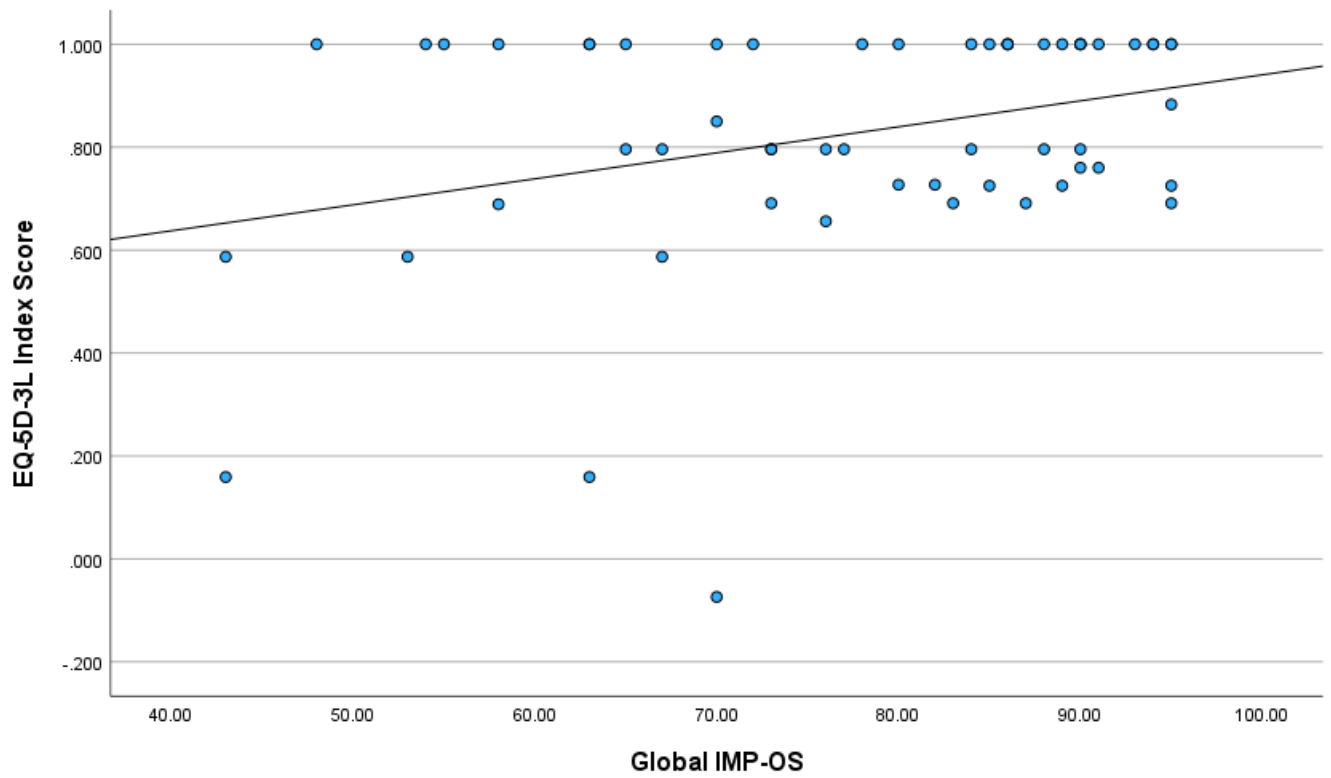
Online Resource 7 Correlation of Global IMP-OS with age for sample A

Spearman's rho		Convergent					Divergent
		GHABP - Use	GHABP - Benefit	GHABP - Residual Disability	GHABP - Satisfaction	HHIE	EQ-5D-3L Index Score
Global IMP-OS	Correlation Coefficient	.275*	.428**	-.511**	.463**	-.291*	.228
	p (2-tailed)	.046	.001	<.001	<.001	.031	.088
	N	53	53	53	53	55	57
* Correlation is significant at the 0.05 level (2-tailed).							
** Correlation is significant at the 0.01 level (2-tailed).							

Online Resource 8 Correlations between GL-IMP-OS in sample A and other PROMs using two-tailed Spearman's rho correlation



Online Resource 9 Correlation of Global IMP-OS with HHIE for sample A



Online Resource 10 Correlation of Global IMP-OS with EQ-5D-3L Index Score for sample A

Analysis	Variables		N	Power	Notes
Convergent validity	GL-IMP-OS vs GHABP Use		53	0.500	Generated using IBM SPSS (International Business Machines Statistical Package for the Social Sciences) software program version 29.0.0.0. Where: Null Hypothesis Parameter = 0, Bonnet and Wright method selected
	GL-IMP-OS vs GHABP Benefit		53	0.872	
	GL-IMP-OS vs GHABP Resid. Dis.		53	0.963	
	GL-IMP-OS vs GHABP Satisfaction		53	0.920	
	GL-IMP-OS vs HHIE		55	0.562	
Divergent validity	GL-IMP-OS vs EQ-5D-3L		58	0.397	
Test-Retest reliability	GL-IMP-OS	F2F-Postal1-Postal2	11	0.823	Generated using the Real Statistics Resource Pack software (Release 8.9.1) [1]. Where: Null Hypothesis ICC $\rho_0 = 0$, Alternative Hypothesis ICC $\rho_1 =$ Lower 95% CI of ICC
		F2F-Postal1	15	0.824	
		Postal1-Postal2	11	0.950	
		F2F-Postal2	11	0.109	
	Needs	F2F-Postal1-Postal2	50	0.988	
		F2F-Postal1	74	1.000	
		Postal1-Postal2	50	1.000	
		F2F-Postal2	52	1.000	

[1] Zaiontz C. Real Statistics Using Excel. 2023 www.real-statistics.com. Accessed 28 May 2025.

Online Resource 11 Post-hoc power analysis for validity and test-retest reliability analyses