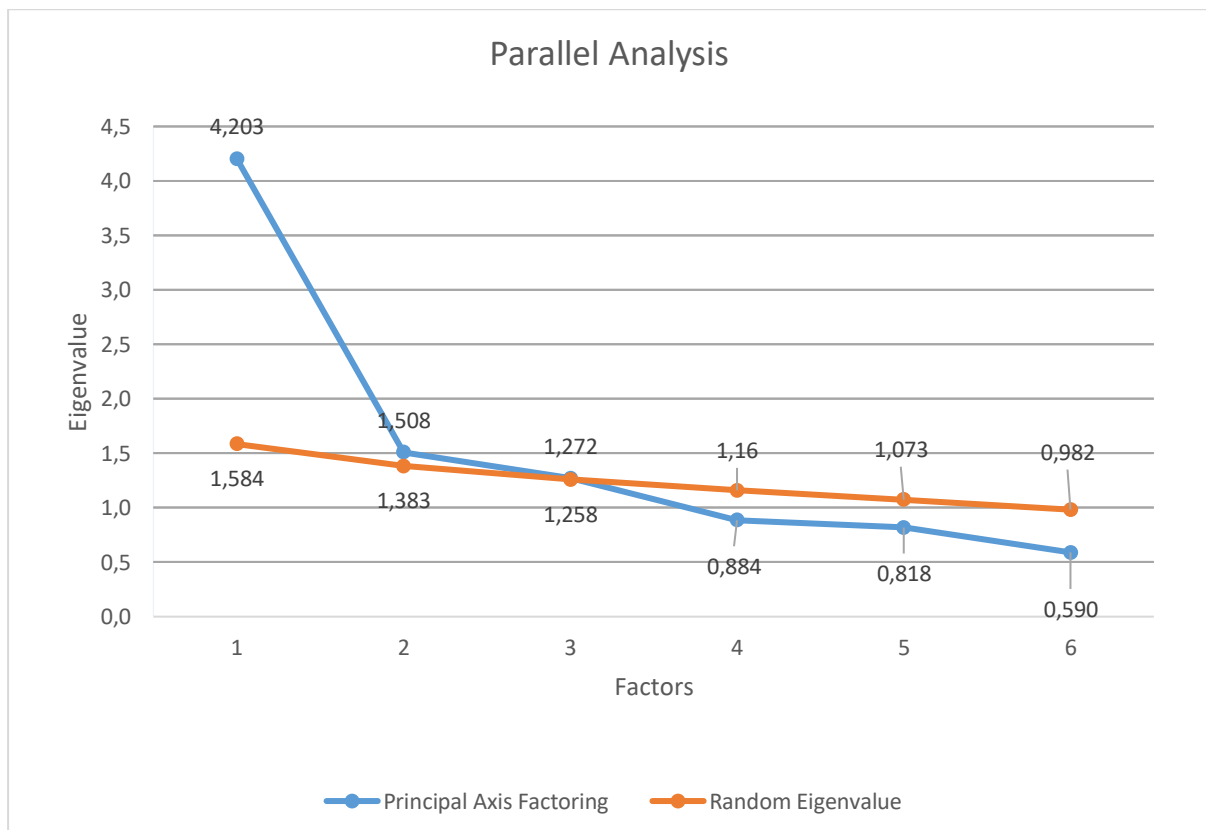


Supplementary 2

Confirmatory factor analysis of the original two-factor DIDS

Subscales/Items	Factor weights
Device Satisfaction	
DIDS 1	0.82
DIDS 2	0.80
DIDS 3	0.55
DIDS 4	0.73
DIDS 5	0.38
DIDS 6	0.78
DIDS 7	0.20
Diabetes Management impact	
DIDS 8	0.74
DIDS 9	0.72
DIDS 10	0.48
DIDS 11	0.56

Parallel analysis



Inter-item correlations, Means, and Standard deviations of the 11 items of the DIDS-Gr

	DIDS-Gr 1	DIDS-Gr 2	DIDS-Gr 3	DIDS-Gr 4	DIDS-Gr 5	DIDS-Gr 6	DIDS-Gr 7	DIDS-Gr 8	DIDS-Gr 9	DIDS-Gr 10	DIDS-Gr 11
DIDS-Gr 1	1.00										
DIDS-Gr 2	.67**	1.00									
DIDS-Gr 3	.49**	.43**	1.00								
DIDS-Gr 4	.57**	.57**	.31**	1.00							
DIDS-Gr 5	.39**	.16	.38**	.24*	1.00						
DIDS-Gr 6	.61**	.65**	.34**	.67**	.28**	1.00					
DIDS-Gr 7	.12	.11	.41**	.14	.31**	0.6	1.00				
DIDS-Gr 8	-.28**	-.22*	-.30**	-.20	-.09	-.22*	-.23*	1.00			
DIDS-Gr 9	-.29**	-.27**	-.25*	-.28**	-.15	-.20*	-.15	.59**	1.00		
DIDS-Gr 10	-.22*	-.21*	-.12	-.05	-.17	-.19	-.02	.29**	.35**	1.00	
DIDS-Gr 11	-.035**	-.50**	-.32**	-.29**	-.17	-.30**	-.28**	.39**	.29**	.39**	1.00
Mean	8.25	8.50	9.21	8.65	8.49	8.39	8.82	4.37	3.58	4.18	2.68
SD	1.8	1.5	1.2	1.6	2.2	1.9	2.1	2.3	2.0	2.2	2.2

Note: *p<0.05, **p<0.01

Cronbach's Alpha if Item Deleted

Items	Cronbach's Alpha if Item Deleted
DS	($\alpha = .86$)
DIDS-Gr 1	.83
DIDS-Gr 2	.82
DIDS-Gr 4	.83
DIDS-Gr 6	.82
DU	($\alpha = .60$)
DIDS-Gr 3	.48
DIDS-Gr 5	.53
DIDS-Gr 7	.48
DMI	($\alpha = .71$)
DIDS-Gr 8	.61
DIDS-Gr 9	.62
DIDS-Gr 10	.69
DIDS-Gr 11	.67

Note: DS: Device Satisfaction; DU: Device Usability; DMI: Diabetes Management Impact