Supplementary table S1. The 22 test items and differential item functioning across survey

Items	HRS		MAHS		DIF [a]	Joint	Rasch-Welch		
	DIF Measure	DIF S.E.	DIF Measure	DIF S.E.	Contrast	S.E.	t	DF	P
ADL: Walking	-1.17	.20	-1.51	.23	.34	.30	1.12	662	.2652
ADL: Dressing	-1.13	.20	-.78	.19	.35	.28	-1.26	682	.2086
ADL: Bathing	-1.09	.20	-2.56	.30	1.47	.36	4.09	562	.0000*
ADL: Eating	-2.77	.28	-2.97	.34	.19	.44	.44	633	.6611
ADL: GetOutBed	-1.56	.22	-1.27	.21	.29	.30	-.97	681	.3322
ADL: Toileting	-1.91	.23	-1.96	.25	.05	.34	.15	665	.8804
IADL: ManageMoney	-2.36	.26	-3.92	.48	1.56	.54	2.86	485	.0044*
IADL: TakeMedication	-2.93	.28	-4.11	.53	1.18	.60	1.96	481	.0511
IADL: Shopping	-1.16	.21	-1.00	.20	.16	.29	-.54	667	.5865
IADL: MealPreparation	-1.34	.21	-2.04	.26	.69	.34	2.05	609	.0404*
Mobility: WalkBlocks	1.81	.14	1.81	.15	.00	.21	.00	670	1.000
Mobility: Jog1Mile	5.93	.24	4.53	.19	1.40	.30	4.65	365	.0000*
Mobility: Walk1Block	.06	.17	.44	.19	.38	.26	-1.49	464	.1366
Mobility: Sit2HR	.07	.17	.89	.16	.82	.23	-3.56	681	.0004*
Mobility: GetUpChair	2.30	.14	2.46	.15	.16	.21	-.77	672	.4435
Physical Function: ClimbStairs	3.27	.15	3.33	.16	.06	.22	-.27	616	.7888
Physical Function: Climb1FLStairs	.66	.16	1.39	.16	.73	.22	-3.26	652	.0012*
Physical Function: Stooping	3.25	.14	3.46	.15	.21	.21	-1.01	661	.3149
Physical Function: LiftWeight	1.25	.15	1.23	.15	.02	.22	.09	664	.9244
Physical Function: PickupDime	-1.58	.22	-1.22	.21	.35	.30	-1.16	680	.2463
Physical Function: ReachArm	.12	.17	-.17	.18	.29	.24	1.20	672	.2308
Physical Function: PushObject	1.40	.15	1.40	.15	.00	.21	.00	660	1.000

Note. [a], absolute values; *, Significance at an alpha level of 0.05.