Supplementary 1. Excluded Instruments on Process of Outcome Revision

Classification	Excluded Instruments
Health Related Quality of Life (HRQOL)	SF-36v2 Korean [1]
Comorbidity	SCQ [2], ECM [3]
Polypharmacy	AGS Beers criteria [4], STOPP criteria [5]
Constipation	PAC-SYM [6], PAC-QOL [7]
Geriatric Depression	GDS [8]
Instrumental Activities of Daily Living	Korean IADL (Kang Soo Jin Development - 11 questions) [9]
Activities of Daily Living	ADL [10]
Fall Scale	MFS [11], Huhn's Fall Risk Assessment Tool [12], JHFRAT [13], FAS-k[14]
Fear of Falling	ABC-scale [15]
Eating Behavior	DEBQ [16], TFEQ [17]
Food Security	National Health and Nutrition Examination Survey_Food Security Survey [18], U.S. Household food security survey module [19]
Social Network	Lubben-18 [20]
Cognitive Function - MMSE2, MMSE	MMSE [21], MMSE-2 [22]
Cognitive Function - CDT scoring	The CDT Scoring Table. [23]
TUG (time up ang go) test, FRT (functional reach test)	TUG [24], FRT [25]
Blood Stasis Questionnaires on Metabolic Syndrome (BSQ-MS)	Blood Stasis Questionnaires on metabolic syndrome (BSQ-MS) [26]

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Supplementary 2. Outcomes of Prior Research

Classification	Outcomes	Study1 (KCDD)	Study2 (KFACS)	Study3 (shanghai aging study)	Study4 (KURE)	Study5 (PRIMIER)
(social) Demographics	Marital status (family structure, number of siblings, birth order)	О	О	О	О	О
	Residence area (occupation)	О	О	О	О	
	Education	О	O*	О	О	О
	Parental education			О		
	Race, Ethnicity					О
	Sex	О	О	О	O*	О
	Age	О	О	О	O*	О
	Work/employment/working hours	О	О	О		О
	Household income (family income)	О	O	О	О	О
	Self-rated economic status				О	О
Medical Service Utilization	Healthcare costs		О			
	Long-term care services		О			
	Unmet needs		О			
	Health literacy		О			
	Insurance status, likelihood of insurance billing					О
Medical History	Disease history (current comorbidity)	О	О	О	О	О
	Current polypharmacy, medication use (opioid medication use)	-	O		О	
	Family history	О		О	О	
	Women's health history (reproductive health history)			О		
	Past outpatient visit, hospitalization (admission history)		O		О	O
Lifestyle	Smoking	О	О	0	О	О
	Drinking	О	О	О	О	О
	Oral hygiene, dental check-up, panoramic radiography		O			
	Health check-up		О		·	
Sleep	Pittsburgh Sleep Quality Index (PSQI)	О		0		
	Sleep		О		О	