

	START/STOPP	STOPPFrail	Beers criteria	Norwegian General Practice criteria (NORGEp)	(EU) (7)-PIM list	PRISCUS list	FORTA (Fit for The Aged) list	MAI (Medication Appropriateness Index)	STRIP method (Systematic Tool to Reduce Inappropriate	GP-GP (good palliative-geriatric practice)	IMAP (individualised medication assessment and	Zhan Criteria	Drug Regimen Unassisted Grading Scale (DRUGS)	Medication Management Ability Assessment (MMAA)	Self-Efficacy for Appropriate Medication Use Scale (SEAMS)
Sadowski C.A., et al. 2021 [142]	X														
Saeed D., et al. 2021 [143]	X	X													
Amorim W.W., et al. 2021 [144]	X		X	X	X	X									
Loste C., et al. 2021 [145]	X		X												
Pazan F., et al. 2021 [146]	X		X				X								
De Oliveira L.M., et al. 2021 [147]			X												
Williams S., et al. 2019 [148]	X		X				X								
Muth C., et al. 2019 [149]	X		X		X		X	X	X						
Kok R.M., et al. 2017 [150]	X														
Huiskes V.J., et al. 2017 [151]	X							X							
Ulley J., et al. 2019 [152]	X		X								X				
Storms H., et al. 2017 [153]	X		X			X		X							
Mohamed M.R., et al. 2020 [154]	X							X				X			
Cross A.J., et al. 2020 [155]													X	X	X
Palmer K., et al. 2019 [156]	X						X								
Muhlack D.C., et al. 2017 [157]			X												
Hasan Ibrahim A.S., et al. 2021 [158]	X									X					

Kua C.H., et al. 2019 [159]	X		X											
Ibrahim K., et al. 2021 [160]	X	X	X											
Chang C.T., et al. 2021 [161]	X		X											
	<b>17</b>	<b>2</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

**Table S1:** assessment tools of prescription appropriateness and adherence in older adults' population

[illegible]

Robertson DA et al. 2013 [169]	x														
Cox et al. 2020 [170]												x			
Jadcak AD & Visvanathan R. 2019 [171]															
Fernández-Pombo A et al. 2021 [172]			x						x			x			
Ruiz M & Kamerman LA, 2010 [173]			x				x		x						
Kuzuya M, 2021 [174]			x												
	3	1	6	3	1	1	2	2	4	1	1	3	1	1	1

**Table S2:** assessment tools of nutritional habits

[illegible]

[illegible]

[illegible]

Mañas A et al. 2021 [203]	x			x	x																			
Yoo J et al. 2021 [204]	x			x											x	x								
Pitsillides A et al. 2021 [205]				x													x							
van der Kruk E et al. 2021 [206]	x			x																				
Williams F.R et al. 2021 [207]	x			x																				
Bortone I et al. 2021 [208]	x			x														x	x					
Inoue T et al. 2021 [209]																		x	x					
Yang F et al. 2021 [210]				x														x						
Gielen E et al. 2021 [211]	x			x																				
Pazan F et al. 2021 [146]				x														x						
Gafner S.C et al. 2021 [212]				x														x		x				
McMillan J.M. et al. 2021 [213]																		x						
Ponciano V et al 2021 [214]																		x						

Lund C.M et al. 2020 [215]	x			x	x																			
Zheng L et al. 2020 [216]				x													x							
Guo Z et al. 2020 [217]																	x							
Byra J & Czernicki K. 2020 [218]	x																							
Zampogna B et al. 2020 [219]	x														x									
Oktaviana J et al 2020 [168]				x																				
Wang D.X.M et al 2019 [220]	x			x													x			x				
Chen M.Y et al. 2019 [221]	x																							
Pei G et al 2019 [222]	x																							
Bet P et al 2019 [223]	x			x													x			x	x	x		
Granic A. et al. 2019 [224]				x																				
Facal D et al. 2019 [225]				x													x							
Mol A et al. 2018 [226]																	x							





Tanemoto K. 2015 [239]																									
McNeely M.E et al 2015 [240]																			x		x				
Hill K.D. et al 2015 [241]					x														x						
Pamoukdjian F et al. 2015 [242]				x															x						
Stehr M.D et al. 2012 [243]		x			x	x																			
Chou C.-H et al. 2012 [244]		x																	x						x
Lee P et al. 2012 [245]				x		x																			
Den Ouden M.E.M et al. 2011 [246]																					x				
	33	5	1	40	8	3	1	1	1	2	1	1	1	1	1	1	2	1	30	2	6	1	1	1	1

**Table S3:** assessment tools of physical activity

Choi SD et al. 2017 [247]	x																	Falls Efficacy Scale (FES)
Kendrick D et al. 2014 [248]	x	x	x	x														Modified Falls Efficacy Scale (MIFES)
Papalio GF et al. 2020 [249]	x		x															Activities-specific Balance Confidence scale (ABC)
De Coninck L et al. 2017 [250]	x		x															Survey of Activities and Fear of Falling in the Elderly (SAFE)
																		Fall risk assessment tool (FRAT)
																		Mobility Efficacy Scale (MES)
																		Short Falls Efficacy Scale-International (FES-I)
																		University of Illinois at Chicago Fear of Falling Measure
																		Fall Risk Index
																		Fracture Risk Assessment Tool (FRAX)
																		Tinetti Performance-Oriented Mobility Assessment (POMA)
																		Berg Balance Scale
																		Morse Fall Scale
																		Downton Fall Risk Index
																		St. Thomas Risk Assessment Tool in Falling in Elderly Inpatients
																		Conley Scale
																		Falls Risk for Older Persons-Community Setting Screening Tool (FROP Com)
																		Johns Hopkins Fall Risk Assessment Tool (JHFRAT)
																		Fullerton Advanced Balance (FAB) Scale
																		Hendrich II Fall Risk Model
																		Austin Health Falls Risk Screening Tool (AHRST)
																		Elderly Falls Screening Tool
																		Home-Screen Scale
																		Safety House Checklist
																		Falls Risk for Hospitalized Older People (FRHOP)
																		Falls Risk Awareness Questionnaire (FRAQ)

Nunan S et al. 2018 [251]					x																				
Kumar A et al. 2016 [252]	x		x	x		x																			
E JY et al. 2020 [181]							x	x																	
Bullo V et al. 2015 [238]									x																
Liau SJ et al. 2021 [253]																									
Zhang J et al. 2020 [254]										X															
Strini V et al. 2021 [255]			x				x				x	x	X	x	X	x	x	x	x	x	x				
Zheng L et al. 2020 [216]			x				x																		
Zengin A et al. 2018 [256]																						x			





[illegible]

Marques-Vieira CMA et al. 2016 [280]							x																			
Visschedijk J et al. 2010 [281]	x		x									x														
	16	3	13	6	3	2	9	1	1	1	6	5	4	2	6	2	2	2	1	6	1	1	1	1	1	1

**Table S4:** fall and the risk of falling assessment tools

	Mini Mental State Examination (MMSE)	Short portable mental status questionnaire (SPMSQ or Pfeiffer)	Abbreviated Mental Test (AMT)	Montreal Cognitive Assessment (MoCA)	Clinical Dementia Rating scale (CDR)	Controlled Oral Word Association Test (COWAT)	Trail Making Test A & B (TMT)	Rey Auditory Verbal Learning Test	Clock drawing test (CDT)	Isaac Set Test (IST)	Cognitive Abilities Screening Instrument (CASI)	Brief Cognitive Screening Battery (BCSB)	Modified Mini Mental State Examination (3MS)	Clifton Assessment Procedures for the Elderly (CAPE)	Telephone Interview for Cognitive status (TICS)	Cognitive screening instrument for dementia (CSID)	6-item cognitive impairment test (6-CIT)	Mini-cog
Caçador C et al., 2021 [282]	X	X																
van Aalst FM et al., 2020 [283]			X	X														
Facal D et al., 2019 [225]	X			X	X	X	X	X	X									
Borges MK et al., 2019 [284]	X			X	X					X	X							



Panza F et al., 2018 [285]	X			X	X													
van Deudekom FJ et al., 2017 [235]	X																	
Panza F et al., 2014 [286]	X	X								X		X	X					
Robertson DA et al., 2013 [169]	X	X								X		X	X					
Gracie TJ et al., 2021 [287]	X			X														
Zheng L et al., 2020 [288]	X			X	X					X								
Vella Azzopardi R et al., 2018 [289]	X	X												X	X	X	X	X
van Deudekom FJ et al., 2017 [235]	X																	
	11	4	1	6	4	1	1	1	1	4	1	2	2	1	1	1	1	1

**Table S5:** assessment tools for cognitive function

	UCLA Loneliness scale	De Jong Gierveld scale	Three Item Loneliness Scale	Social Frailty Index (SFI)	Questionnaire to define Social Frailty Status (QSFS)	Chicago Social Activity Scale	Life Space Index (LSI)	Steptoe Social Isolation Index	11-items Duke Social Support Index
Courtin E, Knapp M. 2017 [290]	x	x							

Cohen-Mansfield J. et al. 2015 [291]	x	x							
Li J et al. 2018 [292]	x								
Smith KJ, & Victor C, 2021 [293]	x	x							
van der Aa H.P. et al. 2016 [294]	x								
McClelland H. et al. 2020 [295]	x	x							
Noone C. et al. 2020 [296]	x								
Chawla K et al. 2021 [297]	x	x	x						
Casanova G. et al. 2021 [298]	x	x							
Ellis S. et al. 2021 [299]	x	x							
Krzeczkowska A. et al. 2021 [300]	x								
Bessa B, et al. 2018 [301]				x	x				
Landeiro F, et al. 2017 [302]	x	x							x
Tong F. et al. 2021 [303]	x	x				x	x	x	
Dahlberg L. et al. 2020 [304]	x	x							
	16	11	1	1	1	1	1	1	

**Table S6:** loneliness assessment tools

	UCLA Loneliness Scale	OARS Multidimensional Functional Assessment of Older Adults (MFAQ)	Inventory of Socially Supportive Behaviours (ISSB)	Social support behaviors (SS-B) scale	Multidimensional Scale of Perceived Social Support	Berkman-Syme Social Network Index (SNI)	De Jong Gierveld Scale	Social Provisions Scale	Personal Resource Questionnaire (PRQ)	Lubben Social Network Scale	Duke Social Support Index (DSSI)	Medical Outcome Study Social Support Survey (MOS-SSS)	Six social support deficits	2-Way Social Support Scale	Philadelphia Geriatric Center Morale Scale (PGCMS)
Lem K et al 2021 [137]	X	X	X	X	X	X	X	X	X						
Casanova G et al 2021 [298]	X						X	X		X					
Cappelli M et al 2020 [305]	X	X				X									
Tengku Mohd TAM et al 2019 [306]		X			X				X	X	X	X	X	X	
Cohen-Mansfield J et al 2015 [291]	X	X					X								X
	4	4	1	1	2	2	3	2	2	2		1	1	1	1

**Table S7:** assessment tools for social support network