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Supplementary Table 1 Medication Adherence in older people with hypertension

		Sample (n, Age			
Author, Year Aim		Range) and Findings		Factors Influencing Medication Adherence	
		Setting			
			Quantitative Study		
Budiarti et al.,2023	To understand the factors related	N:92	Age, knowledge, and family support influence	- Knowledge	
(24)	to medication adherence in older	Age : ≥65 years	medication adherence, while gender, history of	- Family support	
Indonesia	people with hypertension	Rural	hypertension, and comorbidities do not affect it.	- Age	
			Adherence is considered quite compliant with the		
			following adherence rates:		
			Moderate adherence 87%		
			Low adherence 13%		
Winarti et al.,2023	To determine the factors	N:93	The duration of treatment, knowledge, family support,	- Duration of treatment	
(25)	associated with adherence to	Age : ≥60 Years	access to healthcare, and the role of healthcare	- Knowledge	
Indonesiaa	treatment in patients with	Rural	providers are considered influential, while age and	- Family support	
	hypertension.		gender are not. Compliance is fairly poor with the	- Access to healthcare	
			following results:	- Role of healthcare providers	
			• Low compliance 74.2%		
			Moderate compliance 25.8%		

Dolo et al.,2021	To understand the factors	N:100	Family support, healthcare provider roles, and the use	- Family support
(26)	influencing medication	Age: 55-90 Years	of communication media (WhatsApp groups,	- Healthcare provider roles
Indonesia	adherence in older people with	Urban	Telegram, direct phone contacts) are considered	- Utilization of communication media
	hypertension.		influential. Compliance is quite high with the	
			following results:	
			• High compliance 63%	
			• Low compliance 37%	
Rahmawati &	To assess medication adherence	N:384	Good knowledge potentially predicts good adherence	Level of Knowledge
Bajorek (27) 2018	and hypertension knowledge, as	Age : ≥45 Years	to antihypertensive treatment, but knowledge about	
Indonesia	well as their predictive factors,	Rural	hypertension and its management is generally low.	
	in patients with hypertension		Good adherence: 21%	
	residing in rural communities in		• Poor adherence: 42%	
	Indonesia.			
Siregar et al.,2022	To analyze the relationship	N:92	Most respondents are not compliant with taking the	- No complaints
(28)	between risk factors, stress, and	Age : ≥50 Years	medication prescribed by the doctor, especially if they	- Forgetting and feeling bored with taking
Indonesiaa	medication adherence with the	Urban	do not feel any symptoms or complaints. Older people	medication
	incidence of hypertension.		tend to forget to take their medication. Compliance is	
			considered poor with the following results:	
			High compliance 40.2%	
			• Low compliance 59.8%	

Isbiyantoro et	To identify several factors	N:110	Family support is the most significant factor affecting	Family Support
al.,2023 (29)	related to medication adherence	Age : ≥50 Years	the medication adherence of patients with	
Indonesiaa	in patients with hypertension	Rural	hypertension. Adherence is rated poorly with the	
			following results:	
			• Low adherence 61.8%	
			High adherence 38.2%	
Hapsari &	To determine the factors related	N:170	Knowledge and family support are considered	- Knowledge
Kartiana, 2021	to medication adherence in older	Age: 55 – 74 Years	influential in adherence. Adherence is rated poorly	- Family support
(30)	people with hypertension	Rural	with the following results:	
Indonesiaa			• Poor adherence 50.6%	
			• Good adherence 49.4%	
Wannasirikul et	To explore the relationship	N:600	Although health literacy is low, 98.3% of the subjects	Health literacy
al.,2016 (34)	between health literacy,	Age: 60 -70 Years	have good adherence to their medication. This	
Thailand	medication adherence, and blood	Urban	indicates that health literacy is not the only factor	
	pressure levels among older		influencing medication adherence.	
	people with hypertension			
	receiving healthcare services at			
	Primary Health Care Centers			
Charoensab et	To identify factors associated	N : 248	The average number of antihypertensive drugs taken	- Forgetting to take medication
al.,2020 (35)	with uncontrolled hypertension,	Age : ≥58 Years	by patients in different groups is relatively similar, but	

Thailand	including higher body mass	Urban	tends to be higher in the group with controlled	- Stopping medication when feeling better or
	index (BMI) and poor		hypertension (50%).	worse
	medication adherence			
Haung et al.,2020	To identify the prevalence of	N:410	Age, income, and knowledge affect patients'	- Age
(37)	self-care behaviors and related	Age : ≥55 Years	adherence to hypertension treatment. Adherence is	- Monthly income
Myanmar	factors among patients with	(About 30-70	rated as quite poor with the following results:	- Knowledge
	hypertension.	Years)	• Non-adherence 75.9%	
		Rural	• Adherence 24.1%	
Han et al.,2015	To determine the prevalence of	N:216	Age, gender, household income, duration of	- Age
(38)	medication adherence among	Age: 52,8 Years	hypertension, and perceived barriers by patients are	- Gender
Myanmar	patients with hypertension and	(About ≥45-60	important factors affecting patients' adherence to	- Duration of hypertension
	identify factors associated with	Years)	antihypertensive treatment.	- Perception of treatment
	adherence		50% of outpatients reported good adherence.	
Lestari et al.,2019	To determine the extent to which	N:55	Almost half of the study participants were found to be	- Perception of long-term therapy
(31)	patients with hypertension	Age: 62,9 Years	non-adherent to the prescribed antihypertensive	- Knowledge
Indonesia	adhere to the recommended	Urban	medication after being diagnosed with hypertension.	- Availability of health insurance
	treatment		Non-adherence was reported at 47.3%, with	
			uncontrolled hypertension at 58.2%.	
	1		Qualitative Study	<u> </u>

Rahmawati &	To explore the perspectives of	N:30	Despite being aware of the diagnosis, patients	-	The use of alternative medicine to manage
Bajorek,2018 (32)	untreated patients with	Age : ≥65 Years	often underestimate the importance of consulting		high blood pressure
Indonesia	hypertension and the factors	(About 50-80	with healthcare professionals to control high blood	-	Access to healthcare services
	influencing their decision not to	Years)	pressure.	-	The need for antihypertensive medication
	take antihypertensive medication	Rural	Poor compliance		
			Unwillingness to take antihypertensive medication		
Berek &	To explore strategies to improve	N:5	Efforts to improve medication adherence	-	Family Support
Afiyanti,2020 (33)	patient adherence to self-care in	Age : ≥45-70 Years	Barriers and challenges to medication adherence		
Indonesia	the management of hypertension,	Rural			
	both pharmacological and non-				
	pharmacological				
Tan et al.,2017	To explore the perspectives of	N:17	Poor compliance	-	Forgetfulness
(39)	patients with hypertension on the	Age : ≥45-80 Years	Preferring herbal consumption	-	Fear of medication side effects
Malaysia	quality of medication use	Urban			
Woodham et	To gain a deeper understanding	N:30	Most participants do not take the medication as	-	Negative perception of medication
al.,2018 (36)	of how patients manage their	Age: 60-79 Years	prescribed.	-	Difficulty remembering medication
Thailand	medication at home	Rural	Expired medication was found in their medication		schedule
			supply.	-	Lack of knowledge
			Poor compliance		

Note: ^aArticle in Bahasa

Supplementary Table 2 The Supporting and Inhibiting Factors of Medication Adherence Among Older People with Hypertension

Factors	Theme	Sub-Theme	Sources	Quotations
Supporting	Individual	Setting reminder	Berek & Afiyanti,	"My wife likes to write down my medication schedule on a whiteboard and
			2020 (33), Tan et al.,	place it near the dining table" (33) p.26
			2017 (39)	"I keep them in a plastic bag. I write or note down in a book when taking
				medicine so as not to forget because I am a stroke patient" (39) p.4
		Personal strategies	Tan et al., 2017 (39)	"I don't know the name of the medicine, but usually I will bring my high blood
				pressure medicine as an example when buying medicine at the pharmacy." (39)
				p.8
		Self-motivation	Berek & Afiyanti,	"If you don't regularly take your medicine, you'll have trouble breathing, which
			2020 (33)	means you have heart failure, what they call CHF" (33) p.25
	Social	Discussing with a partner	Tan et al., 2017 (39)	"I would be happy to discuss my medication issues with an NGO that can remind
				me to take my medication(39). p.13
				I will share my medication issues with the NGO staff" p.4
		Healthcare facility assistance	Tan et al., 2017 (39)	"I have transportation issues, but a nurse (NGO staff member) will help patients
				get medication from the hospital, so I will share my medication issues with them"
				(39) p.4
		Health education	Tan et al., 2017 (39),	"While waiting for the doctor at the hospital, a nurse provided us with
			Woodham et al.,	information about hypertension and diabetes" (36) p.88
			2018 (36)	"The knowledge I gained from health education lectures and training" (36) p.8

	Environment	Utilizing communication	Berek & Afiyanti,	"My child reminds me from his phone to take my medicine, even though his
		media	2020 (33), Tan et al.,	message says, 'To get better, don't forget to take your medicine" (33) p.26
			2017 (39)	"I get a lot of information (about hypertension management) from TV and radio."
				(39) p.8
Inhibiting	Individual	Difficulty remembering	Berek & Afiyanti,	"Even though the medicine was brought to the office, eee I still forgot to take it"
			2020 (33), Tan et al.,	(33) p.26
			2017 (39), Woodham	
			et al., 2018 (36)	
		Negative perception of	Tan et al., 2017 (39),	"I'm afraid of the side effects of the medicine and the consequences that might
		medication	Woodham et al.,	cause cancer" (39) p. 4
			2018 (36)	"I'm afraid that the high blood pressure medication will damage my kidneys" (39)
				p. 7
		Lack symptoms or signs	Rahmawati &	"I feel like I don't need to take the medication because there are no signs or
			Bajorek, 2018 (32),	symptoms. I don't have headaches or anything. I don't see why I need to take the
			Woodham et al.,	medication." (36) p. 86
			2018 (36)	
		Lack of knowledge	Rahmawati &	"We think that taking hypertension medication for a long time will damage the
			Bajorek, 2018 (32),	kidneys and liver, which is why people develop diabetes after hypertension.
			Tan et al., 2017 (39)	That's why I don't take the medication every day". (36) p. 89

Environment	Lack of family support	Berek & Afiyanti, 2020 (33)	"I feel that my high blood pressure medication is not suitable for me. It gives me headaches and dizziness. So, I don't take it regularly. When I feel uncomfortable and have back pain, then I will take the medication, if not, then I won't take it. But every month I still pick up my hypertension medication from the hospital." (36) p. 4 "I live alone, so when there are no complaints, the medication runs out. If there are new complaints, then I come back here again" (33) p. 28
Social	Lack of access to healthcare services	Rahmawati & Bajorek, 2018 (32), Tan et al., 2017 (39)	"I have difficulty getting transportation because the hospital is too far away"