1	Supplementary Materials
2	A scoping review of digital health interventions for cardiovascular diseases in the
3	WHO South-East Asia region
4	
5	Vanita Singh ¹ , Rosemol Johnson K ² , Anil G. Jacob ³ , Oommen John ^{4,5,*}
6	
7	¹ Management Development Institute, Gurgaon 122007, India.
8	² George Institute for Global Health, Hyderabad 500082, India.
9	³ George Institute Services, New Delhi 110025, India.
10	⁴ The George Institute for Global Health, UNSW, New Delhi 110025, India.
11	⁵ Prasanna School of Public Health, Manipal Academy of Higher Education, Manipal,
12	Karnataka 576104, India.
13	
14	Correspondence to: Dr. Oommen John, The George Institute for Global Health,
15	UNSW, New Delhi, India. Prasanna School of Public Health, Manipal Academy of
16	Higher Education, Manipal, Karnataka 576104, India. E-mail:

- 17 <u>ojohn@georgeinstitute.org.in</u>
- 18

19 Supplementary Table 1A: Details of the included studies

	Year of	Title	First	Country	Journal Title	Disease
	Publicati		author's	of origin	Name	category
	on		last name			
3	2021	Efficacy of	Sharma	India	Diabetes &	Non-
		IVRS-based			Metabolic	communica
		mHealth			Syndrome:	ble
		intervention in			Clinical	diseases



© The Author(s) 2018. Open Access This article is licensed under a Creative Commons Attribution 4.0 International License (https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, sharing, adaptation, distribution and reproduction in any medium or

format, for any purpose, even commercially, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made.



www.chjournal.net

		reducing			Research &	
		1. 1				
		cardiovascular			Keviews	
		risk in				
		metabolic				
		syndrome: A				
		cluster				
		randomized				
		trial				
21	2014	Intelligent	HariKumar	India	Indian Heart	Non-
		telemetry			Journal	communica
		system for				ble
		ECG				diseases
		monitoring				
30	2020	Telemedicine	Ganapathy	India	Telemedicine	Non-
		in Camp Mode			and e-	communica
		While			Health	ble
		Screening for				diseases
		Noncommunic				
		able Diseases:				
		A Preliminary				
		Report from				
		India				
32	2020	Effectiveness	Garner	India	International	Non-
		of an mHealth			Nursing	communica
		application to			Review	ble
		improve				diseases
		hypertension				
		health literacy				
		in India.				
37	2015	Care for	Sureshkum	India	BMJ	Non-
		Stroke', a web-	ar		Innovations	communica
		based,				ble

enabled educational intervention for management
enabled educational intervention for management
educational intervention for management
intervention for management
for management
management
of physical
disabilities
following
stroke:
Feasibility in
the Indian
context
382016MwellcareVamadevaIndiaGlobal HeartNon-
trial: A multi- n communica
center, cluster ble
randomized, diseases
controlled
clinical trial of
mwellcare, an
mhealth
system for an
integrated
management
of patients
with
hypertension
and diabetes in
India
482016The CPRYuksen C.ThailandBMCNon-
outcomes of <i>Emergency</i> communica
online medical <i>Medicine</i> ble

		video				diseases
		instruction				
		versus on-				
		scene medical				
		instruction				
		using				
		simulated				
		cardiac arrest				
		stations				
53	2017	Assessment of	Mohan	India	Indian Heart	Non-
		knowledge			Journal	communica
		about healthy				ble
		heart habits in				diseases
		urban and rural				
		population of				
		Punjab after				
		SMS				
		campaign—A				
		cross-sectional				
		study				
55	2015	A Cluster-	Tian	India	Circulation	Non-
		Randomized,				communica
		Controlled				ble
		Trial of a				diseases
		Simplified				
		Multifaceted				
		Management				
		Program for				
		Individuals at				
		High				
		Cardiovascular				
		Risk (SimCard				

		Trial) in Rural				
		Tibet, China,				
		and Haryana,				
		India				
66	2020	Effect of	Uddin	Banglad	Journal of	Non-
		Home-Based		esh	Cardiopulmo	communica
		Cardiac			nary	ble
		Rehabilitation			Rehabilitation	diseases
		in a Lower-			and	
		Middle			Prevention	
		Income				
		Country:				
		RESULTS				
		from A				
		CONTROLLE				
		D TRIAL				
67	2018	A Randomized	Bhavnani	India	Cardiovascul	Non-
		Trial of			ar Imaging	communica
		Pocket-				ble
		Echocardiogra				diseases
		phy Integrated				
		Mobile Health				
		Device				
		Assessments				
		in Modern				
		Structural				
		Structural Heart Disease				
		Structural Heart Disease Clinics				
68	2021	Structural Heart Disease Clinics The Impact of	Arjunan	India	The Journal	Non-
68	2021	Structural Heart Disease Clinics The Impact of Nurse-Led	Arjunan	India	The Journal of Nursing	Non- communica
68	2021	Structural Heart Disease Clinics The Impact of Nurse-Led Cardiac	Arjunan	India	The Journal of Nursing Research	Non- communica ble

80	2019	SMARThealth	Peiris	India	PLoS One	Non-
		Trial				
		Controlled				
		Randomized				
		Cluster-				
		mWellcare				
		The				
		Primary Care:				
		Conditions in				
		of Chronic				
		Management				
		Integrated				
		System for				
		Support				
		Decision				
		Electronic				diseases
		Based				ble
		of an mHealth-	n			communica
79	2018	Effectiveness	Prabhakara	India	Circulation	Non-
		country model				diseases
		developing				ble
		resource-poor			India	communica
78	2016	Telestroke in	Sharma	India	Neurology	Non-
		Clinical Trial				
		Randomized				
		Failure: A				
		With Heart				
		in Patients				
		al Parameters				
		Biophysiologic				
		Life and				
		on Quality of				

		India: A				communica
		stepped-				ble
		wedge, cluster				diseases
		randomised				
		controlled trial				
		of a				
		community				
		health worker				
		managed				
		mobile health				
		intervention				
		for people				
		assessed at				
		high				
		cardiovascular				
		disease risk in				
		rural India				
81	2019	Association of	Patel	Indonesi	JAMA	Non-
		Multifaceted		а	cardiology	communica
		Mobile				ble
		Technology-				diseases
		Enabled				
		Primary Care				
		Intervention				
		with				
		Cardiovascular				
		Disease Risk				
		Management				
		in Rural				
		Indonesia				
82	2014	Application of	Singh	India	International	Non-
		Handheld			Journal of	communica

		Tele-ECG for			Telemedicine	ble
		Health Care			and	diseases
		Delivery in			Applications	
		Rural India				
85	2019	Technology	Dandge	India	PloS one	Non-
		enabled non-				communica
		physician				ble
		health workers				diseases
		extending				
		telemedicine				
		to rural homes				
		to control				
		hypertension				
		and diabetes				
		(TETRA): A				
		pre-post				
		demonstration				
		project in				
		Telangana,				
		India				
106	2015	Health	Nohara	Banglad	Journal of	Non-
		checkup and		esh	medical	communica
		telemedical			Internet	ble
		intervention			research	diseases
		program for				
		preventive				
		medicine in				
		developing				
		countries:				
		verification				
		study				
111	2020	Awareness	Jahan	Banglad	Journal of	Non-

		Development		esh	Medical	communica
		and Usage of			Internet	ble
		Mobile Health			Research	diseases
		Technology				
		Among				
		Individuals				
		With				
		Hypertension				
		in a Rural				
		Community of				
		Bangladesh:				
		Randomized				
		Controlled				
		Trial				
116	2020	Tele-ECG		Indonesi	BMC family	Non-
		consulting and	Mappangar	a	practice	communica
		outcomes on	a			ble
		primary care				diseases
		patients in a				
		low-to-middle				
		income				
		population: the				
		first				
		experience				
		from Makassar				
		telemedicine				
		program,				
		Indonesia				
117	2016	Development	Jindal	India	Journal of the	Non-
		of a			American	communica
		Smartphone-			Heart	ble
		Enabled			Association	diseases

						· · · · · · · · · · · · · · · · · · ·
		Hypertension				
		and Diabetes				
		Mellitus				
		Management				
		Package to				
		Facilitate				
		Evidence-				
		Based Care				
		Delivery in				
		Primary				
		Healthcare				
		Facilities in				
		India: The				
		mPower Heart				
		Project.				
123	2012	Low-cost	Sarma	India	Journal of	Non-
		cloud-based			Investigative	communica
		remote			Medicine	ble
		auscultation				diseases
124	2017	Cost-effective,	Mehta	India	Journal of the	Non-
		innovative,			American	communica
		indigenous,			College of	ble
		population-			Cardiology	diseases
		based and				
		telemedicine-				
		guided, AMI				
		strategy for				
		India's most				
		populous state				
133	2018	The effect of	Jamal	India	Journal of	Non-
		home-based	Uddin		Cardiopulmo	communica
		cardiac			nary	ble

		rehabilitation			Rehabilitation	diseases
		following			and	
		coronary			Prevention	
		artery bypass				
		graft surgery				
		in a low				
		income				
		country: A				
		controlled trial				
135	2018	Blood Pressure	Sakulsupsi	Thailand	Global Heart	Non-
		Control and	ri			communica
		Drug				ble
		Prescription				diseases
		Patterns				
		Among Thai				
		Hypertensive				
		Patients: An				
		Analysis of				
		Telehealth				
		Assisted				
		Interventions				
		In Home				
		Blood Pressure				
		Monitoring				
		(Thai HBPM)				
		Nationwide				
		Project				
136	2018	Health Worker	Jarhyan	India	Global Heart	Non-
		Led, m-health				communica
		Enabled				ble
		Screening,				diseases
		Follow-Up and				

		Linkage to the				
		Health System				
		of People With				
		Hypertension				
		In India				
124	2018	Telemedicine-	Mehta	India	European	Non-
В		guided STEMI			Heart Journal	communica
		networks-				ble
		pragmatic and				diseases
		cost-effective				
		strategies for				
		population-				
		based AMI				
		care in				
		developing				
		countries				
148	2018	Smartphone	Sardana	India	Int J Cardio	Non-
148	2018	Smartphone monitoring for	Sardana	India	Int J Cardio	Non- communica
148	2018	Smartphone monitoring for atrial	Sardana	India	Int J Cardio	Non- communica ble
148	2018	Smartphone monitoring for atrial fibrillation in	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart-	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex-	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified prevalence of	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified prevalence of atrial	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified prevalence of atrial fibrillation in	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified prevalence of atrial fibrillation in rural western	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified prevalence of atrial fibrillation in rural western india	Sardana	India	Int J Cardio	Non- communica ble diseases
148	2018 2019	Smartphone monitoring for atrial fibrillation in real-time in india (smart- india): Age and sex- stratified prevalence of atrial fibrillation in rural western india Tele-	Sardana Ganapathy	India	Int J Cardio Telemedicine	Non- communica ble diseases Non-

		Services in the				ble
		Himalayas				diseases
155	2019	Reduced	Sunjaya	Indonesi	Materials	Non-
		ischemic time		a	Science and	communica
		of acute			Engineering	ble
		coronary				diseases
		syndrome				
		patients with				
		indonesia				
		telecardiology				
		network:				
		Insights and				
		challenges				
		from a three				
		year single				
		center				
		experience in				
		West Jakarta				
161	2019	Finding	Jaiswal	India	Journal of the	Non-
		solutions:			Neurological	communica
		Whatsapp			Sciences	ble
		consult with				diseases
		neurologist				
		can guide				
		physicians to				
		thrombolyse				
		acute ischemic				
		stroke patients				
176	2020	Can dietary	Sivasamy	India	Medico-legal	Non-
		instructions			Update	communica
		delivered				ble
		through				diseases

		mobile				
		application				
		reduce sweet				
		score among				
		adolescents in				
		chennai,				
		india?-a				
		randomized				
		controlled				
		preventive trial				
177	2020	PROVIDING	Hafeez	India	Journal of the	Non-
		OPTIMAL			American	communica
		REGIONAL			College of	ble
		CARE FOR			Cardiology	diseases
		TIME				
		SENSITIVE				
		CARDIAC				
		EMERGENCI				
		ES BY USING				
		SMART				
		PHONES - A				
		STUDY				
		UTILIZING				
		WHATSAPP				
		AS A TOOL				
		ТО				
		INTEGRATE				
		LOCAL				
		HEALTH				
		NETWORK				
		IN REMOTE				
		AREAS OF				

		NORTH				
		INDIA: SAVE				
		HEART				
		KASHMIR				
181	2020	PUK7 Budget	Bhattachar	India	Value in	Non-
		Impact Of A	yya		Health	communica
		New Mobile			Regional	ble
		Application			Issues	diseases
		Reimbursemen				
		t Strategy For				
		Diabetic				
		Patients In				
		Andhra				
		Pradesh				
		(India)				
186	2020	PCV81 Virtual	Gona	India	Value in	Non-
		Anticoagulatio			Health	communica
		n Clinic Care a				ble
		Telehealth				diseases
		MODEL to				
		Deliver				
		Continuity of				
		Anticoagulatio				
		n Care during				
		the COVID 19				
		Pandemic:				
		Insights from				
		Southern India				
188	2020	Effects of	Patel	India	International	Non-
		supervised			Journal of	communica
		exercise-based			Telerehabilita	ble
		tele-			tion	diseases

		rehabilitation				
		group (settle)				
		program on				
		physical				
		fitness and				
		health related				
		quality of life				
		in patients				
		with chronic				
		disease in				
		India in covid-				
		19				
211	2021	Effects of a	Somsiri	Thailand	Home Health	Non-
		Transitional			Care	communica
		Telehealth			Management	ble
		Program on			& Practice	diseases
		Functional				
		Status,				
		Rehospitalizati				
		on, and				
		Satisfaction				
		With Care in				
		Thai Patients				
		with Heart				
		Failure				
213	2020	Mobile App	Noone	India	Journal of	Non-
		Based Strategy			Stroke and	communica
		Improves			Cerebrovascu	ble
		Door-to-			lar Diseases	diseases
		Needle Time				
		in the				
		Treatment of				

		Acute				
		Ischemic				
		Stroke				
219	2021	Phone calls for	Kannure	India	The Journal	Non-
		improving			of Clinical	communica
		blood pressure			Hypertension	ble
		control among				diseases
		hypertensive				
		patients				
		attending				
		private				
		medical				
		practitioners in				
		India: Findings				
		from Mumbai				
		hypertension				
		project				
224	2016	Randomized	Vibulchai	Thailand	Nursing &	Non-
		controlled trial			Health	communica
		of a self-			Sciences	ble
		efficacy				diseases
		enhancement				
		program for				
		the cardiac				
		rehabilitation				
		of Thai				
		patients with				
		myocardial				
		infarction.				
68B	2021	Efficacy of	Arjunan	India	Clinical	Non-
		nurse-led			Epidemiology	communica
		cardiac			and Global	ble

		rehabilitation			Health	diseases
		on health care				
		behaviours in				
		adults with				
		chronic heart				
		failure: An				
		experimental				
		design				
231	2020	Active	Singh	India	The Egyptian	Non-
		surveillance			Heart Journal	communica
		with				ble
		telemedicine				diseases
		in patients on				
		anticoagulants				
		during the				
		national				
		lockdown				
		(COVID-19				
		phase) and				
		comparison				
		with pre-				
		COVID-19				
		phase				
247	2020	A prospective	Shukla	India	Indian	Non-
		study to assess			Journal of	communica
		the medication			Pharmacolog	ble
		adherence			У	diseases
		pattern among				
		hypertensives				
		and to evaluate				
		the use of				
		cellular phone				

		· ·				
		text messaging				
		as a tool to				
		improve				
		adherence to				
		medications in				
		a tertiary				
		health-care				
		center				
253	2021	Effect of	Sharma	India	Mhealth	Non-
		mHealth on				communica
		modifying				ble
		behavioural				diseases
		risk-factors of				
		non-				
		communicable				
		diseases in an				
		adult, rural				
		population in				
		Delhi, India.				
265	2019	Smartphone	Fadlan	Indonesi	European	Non-
		application		a	Heart Journal	communica
		self checklist			Supplements	ble
		for detecting				diseases
		atrial				
		fibrillation in				
		general				
		population				
276	2021	Evaluating the	Ni	Nepal	JMIR	Non-
		Feasibility and			mHealth and	communica
		Acceptability			uHealth	ble
		of a Mobile				diseases
		Health-Based				

		Female				
		Community				
		Health				
		Volunteer				
		Program for				
		Hypertension				
		Control in				
		Rural Nepal:				
		Cross-				
		Sectional				
		Study				
277	2021	Comparison of	Pallavi	India	Indian	Non-
		an app based			Journal of	communica
		low density			Public Health	ble
		lipoprotein			Research &	diseases
		cholesterol			Development	
		(Ldl-c)				
		estimation				
		with direct				
		assay and				
		friedewald				
		formula in				
		Indian				
		population				
285	2020	Innovative tool	Thatthong	Thailand	Journal of	Non-
		for health			Public Health	communica
		promotion for				ble
		at-risk Thai				diseases
		people with				
		hypertension				
286	2019	Impact of	Sheilini	India	Patient	Non-
		multimodal			preference	communica

		interventions			and	ble
		on medication			adherence	diseases
		nonadherence				
		among elderly				
		hypertensives:				
		A randomized				
		controlled				
		study				
296	2019	Is a	Pentakota	India	International	Non-
		smartphone			Journal of	communica
		application			Adolescent	ble
		effective in			Medicine and	diseases
		improving			Health	
		physical				
		activity among				
		medical school				
		students?				
		Results from a				
		quasi-				
		experimental				
		study.				
						1

20

21 B. Digital health intervention details based on WHO classification:

Study	DHI	DHI	DHI	DHI	DHI
ID	Classification 1	Classification	Classification 3	Classification	Classification
		2		4	5
3	1.1 Targeted				
	Client				
	information				
21	2.4				
	Telemedicine				

30	2.4	4.1 Data	2.3 HCP				
	Telemedicine	collection,	decision support				
		management					
		and use					
32	1.1 Targeted Clier	nt information					
37	1.1 Targeted Clier	nt information					
38	1.1 Targeted Clier	nt information					
48	2.4						
	Telemedicine						
53	1.2 Untargeted cli	ent information					
55	2.3 HCP						
	decision support						
66	2.4						
	Telemedicine						
67	2.10 Lab and Diag) Lab and Diagnostic imaging management					
68	2.4						
	Telemedicine						
78	2.4						
	Telemedicine						
79	2.3 HCP	1.1 Targeted Cli	ent information	•			
	decision support						
80	2.3 HCP	2.7 Scheduling	1.1 Targeted				
	decision support	for HCP	Client				
			information				
81	2.3 HCP	1.1 Targeted Cli	ent information	•			
	decision support						
82	2.10 Lab and	2.4 Telemedicin	e				
	Diagnostic						
	imaging						
	management						
85	2.4	2.7 Scheduling	2.2 Client health	3.1 Human reso	ource		
	Telemedicine	for HCP	records	management			

	1		1	1	1
106	2.4	4.1 Data	2.9		
	Telemedicine	collection,	Prescription/Med		
		management,	management		
		and use			
111	1.1 Targeted Clier	nt information			
116	2.4				
	Telemedicine				
117	2.3 HCP	2.2 Client health	n records		
	decision support				
123	2.10 Lab and Diag	gnostic imaging n	nanagement		
124	2.4				
	Telemedicine				
133	2.4				
	Telemedicine				
135	2.4				
	Telemedicine				
136	2.3 HCP				
	decision support				
124B	2.4				
	Telemedicine				
148	2.10 Lab and Diag	gnostic imaging n	nanagement	I	
150	2.4				
	Telemedicine				
155	2.4				
	Telemedicine				
161	2.4				
	Telemedicine				
176	1.1 Targeted Clier	nt information			
177	2.4	2.6 Referral coo	rdination	I	
	Telemedicine				
181	1.7 Client financia	al transactions			
L	1		1	1	1

186	2.4			
	Telemedicine			
188	1.1 Targeted Clier	nt information		
211	1.4 Personal	2.4	1.6 On demand	
	Health tracking	Telemedicine	information	
			services to client	
213	2.5 HCP			
	communication			
219	1.1 Targeted Clier	nt information		
224	2.4			
	Telemedicine			
68B	1.1 Targeted Clier	nt information		
231	2.4			
	Telemedicine			
247	1.1 Targeted Clier	nt information		
253	1.1 Targeted Clier	nt information		
265	2.2 Client health			
	records			
276	1.1 Targeted Clier	nt information		
277	2.10 Lab and Diag	gnostic imaging m	nanagement	
285	1.1 Targeted Clier	nt information		
286	1.1 Targeted Clier	nt information		
296	1.4 Personal Heal	th tracking		

22

23

24 C. Details of Communication mediums:

Stud v ID	Title	Communicati on medium 1	Communication medium 2	Communicati on medium 3
3	Efficacy of	Interactive voice	e response system	
	IVRS-based			
	mHealth			

	intervention in		
	reducing		
	cardiovascular		
	risk in metabolic		
	syndrome: A		
	cluster		
	randomized trial		
21	Intelligent	Smart phone application	
	telemetry		
	system for ECG		
	monitoring		
30	Telemedicine in	Server-based HMIS	
	Camp Mode		
	While Screening		
	for		
	Noncommunica		
	ble Diseases: A		
	Preliminary		
	Report from		
	India		
32	Effectiveness of	Video lessons	
	an mHealth		
	application to		
	improve		
	hypertension		
	health literacy in		
	India.		
37	Care for Stroke',	Smart phone application	
	a web-based,		
	smartphone-		
	enabled		
	educational		

	intervention for	
	management of	
	physical	
	disabilities	
	following	
	stroke:	
	Feasibility in the	
	Indian context	
38	Mwellcare trial:	Smart phone application
	A multi-center,	
	cluster	
	randomized,	
	controlled	
	clinical trial of	
	mwellcare, an	
	mhealth system	
	for an integrated	
	management of	
	patients with	
	hypertension	
	and diabetes in	
	India	
48	The CPR	Smart phone application
	outcomes of	
	online medical	
	video	
	instruction	
	versus on-scene	
	medical	
	instruction using	
	simulated	

	cardiac arrest		
	stations		
53	Assessment of	SMS messaging	
	knowledge		
	about healthy		
	heart habits in		
	urban and rural		
	population of		
	Punjab after		
	SMS		
	campaign—A		
	cross-sectional		
	study		
55	A Cluster-	Smart phone application	
	Randomized,		
	Controlled Trial		
	of a Simplified		
	Multifaceted		
	Management		
	Program for		
	Individuals at		
	High		
	Cardiovascular		
	Risk (SimCard		
	Trial) in Rural		
	Tibet, China,		
	and Haryana,		
	India		
66	Effect of Home-	Audio/ telephone call	
	Based Cardiac		
	Rehabilitation in		
	a Lower-Middle		

	Income	
	Country:	
	RESULTS from	
	А	
	CONTROLLED	
	TRIAL	
67	A Randomized	Smart phone application
	Trial of Pocket-	
	Echocardiograp	
	hy Integrated	
	Mobile Health	
	Device	
	Assessments in	
	Modern	
	Structural Heart	
	Disease Clinics	
68	The Impact of	Audio/ telephone call
	Nurse-Led	
	Cardiac	
	Rehabilitation	
	on Quality of	
	Life and	
	Biophysiologica	
	l Parameters in	
	Patients With	
	Heart Failure: A	
	Heart Failure: A Randomized	
	Heart Failure: A Randomized Clinical Trial	
78	Heart Failure: A Randomized Clinical Trial Telestroke in	Smart phone application messaging
78	Heart Failure: A Randomized Clinical Trial Telestroke in resource-poor	Smart phone application messaging
78	Heart Failure: A Randomized Clinical Trial Telestroke in resource-poor developing	Smart phone application messaging

79	Effectiveness of	Smart phone app	olication
	an mHealth-		
	Based		
	Electronic		
	Decision		
	Support System		
	for Integrated		
	Management of		
	Chronic		
	Conditions in		
	Primary Care:		
	The mWellcare		
	Cluster-		
	Randomized		
	Controlled Trial		
80	SMARThealth	Smart phone	Interactive voice response system
	India: A	application	
	stepped-wedge,		
	cluster		
	randomised		
	controlled trial		
	of a community		
	health worker		
	managed mobile		
	health		
	intervention for		
	people assessed		
	at high		
	cardiovascular		
	disease risk in		
	rural India		

81	Association of	Smart phone application
	Multifaceted	
	Mobile	
	Technology-	
	Enabled	
	Primary Care	
	Intervention	
	with	
	Cardiovascular	
	Disease Risk	
	Management in	
	Rural Indonesia	
82	Application of	Digital Diagnostic device
	Handheld Tele-	
	ECG for Health	
	Care Delivery in	
	Rural India	
85	Technology	Smart phone application
	enabled non-	
	physician health	
	workers	
	workers extending	
	workers extending telemedicine to	
	workers extending telemedicine to rural homes to	
	workers extending telemedicine to rural homes to control	
	workers extending telemedicine to rural homes to control hypertension	
	workers extending telemedicine to rural homes to control hypertension and diabetes	
	workers extending telemedicine to rural homes to control hypertension and diabetes (TETRA): A	
	workers extending telemedicine to rural homes to control hypertension and diabetes (TETRA): A pre-post	
	workers extending telemedicine to rural homes to control hypertension and diabetes (TETRA): A pre-post demonstration	
	workers extending telemedicine to rural homes to control hypertension and diabetes (TETRA): A pre-post demonstration project in	

106	Health checkup	Server-based	Digital Diagnostic	Video call
	and telemedical	HMIS	device	
	intervention			
	program for			
	preventive			
	medicine in			
	developing			
	countries:			
	verification			
	study			
111	Awareness	SMS messaging	 - -	
	Development			
	and Usage of			
	Mobile Health			
	Technology			
	Among			
	Individuals			
	With			
	Hypertension in			
	a Rural			
	Community of			
	Bangladesh:			
	Randomized			
	Controlled Trial			
116	Tele-ECG	Web application	1	
	consulting and			
	outcomes on			
	primary care			
	patients in a			
	low-to-middle			
	income			
	population: the			

	first experience	
	from Makassar	
	telemedicine	
	program,	
	Indonesia	
117	Development of	Smart phone application
	a Smartphone-	
	Enabled	
	Hypertension	
	and Diabetes	
	Mellitus	
	Management	
	Package to	
	Facilitate	
	Evidence-Based	
	Care Delivery in	
	Primary	
	Healthcare	
	Facilities in	
	India: The	
	mPower Heart	
	Project.	
123	Low-cost cloud-	Digital Diagnostic device
	based remote	
	auscultation	
124	Cost-effective,	Server based HMIS
	innovative,	
	indigenous,	
	population-	
	based and	
	telemedicine-	
	guided, AMI	

	strategy for	
	India's most	
	populous state	
133	The effect of	Audio/ telephone call
	home-based	
	cardiac	
	rehabilitation	
	following	
	coronary artery	
	bypass graft	
	surgery in a low	
	income country:	
	A controlled	
	trial	
135	Blood Pressure	Server based HMIS
	Control and	
	Drug	
	Prescription	
	Patterns Among	
	Thai	
	Hypertensive	
	Patients: An	
	Analysis of	
	Telehealth	
	Assisted	
	Interventions In	
	Home Blood	
	Pressure	
	Monitoring	
	(Thai HBPM)	
	Nationwide	
	Project	

136	Health Worker	Smart phone application
	Led, m-health	
	Enabled	
	Screening,	
	Follow-Up and	
	Linkage to the	
	Health System	
	of People With	
	Hypertension In	
	India	
124B	Telemedicine-	Server based HMIS
	guided STEMI	
	networks-	
	pragmatic and	
	cost-effective	
	strategies for	
	population-	
	based AMI care	
	in developing	
	countries	
148	Smartphone	Smart phone application
	monitoring for	
	atrial fibrillation	
	in real-time in	
	india (smart-	
	india): Age and	
	sex-stratified	
	prevalence of	
	atrial fibrillation	
	in rural western	
	india	

150	Tele-Emergency	Video call	
	Services in the		
	Himalayas		
155	Reduced	Video call	
	ischemic time of		
	acute coronary		
	syndrome		
	patients with		
	indonesia		
	telecardiology		
	network:		
	Insights and		
	challenges from		
	a three year		
	single center		
	experience in		
	West Jakarta		
161	West Jakarta Finding	Smart phone application	
161	West Jakarta Finding solutions:	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic stroke patients	Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic stroke patients Can dietary	Smart phone application Smart phone application	
161 176	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic stroke patients Can dietary instructions	Smart phone application Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic stroke patients Can dietary instructions delivered	Smart phone application Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic stroke patients Can dietary instructions delivered through mobile	Smart phone application Smart phone application	
161	West Jakarta Finding solutions: Whatsapp consult with neurologist can guide physicians to thrombolyse acute ischemic stroke patients Can dietary instructions delivered through mobile application	Smart phone application Smart phone application	

	score among	
	adolescents in	
	chennai, india?-	
	a randomized	
	controlled	
	preventive trial	
177	PROVIDING	Smart phone application
	OPTIMAL	
	REGIONAL	
	CARE FOR	
	TIME	
	SENSITIVE	
	CARDIAC	
	EMERGENCIE	
	S BY USING	
	SMART	
	PHONES - A	
	STUDY	
	UTILIZING	
	WHATSAPP	
	AS A TOOL	
	ТО	
	INTEGRATE	
	LOCAL	
	HEALTH	
	NETWORK IN	
	REMOTE	
	AREAS OF	
	NORTH	
	INDIA: SAVE	
	HEART	
	KASHMIR	

181	PUK7 Budget	Smart phone application			
	Impact Of A				
	New Mobile				
	Application				
	Reimbursement				
	Strategy For				
	Diabetic				
	Patients In				
	Andhra Pradesh				
	(India)				
186	PCV81 Virtual	Smart phone application			
	Anticoagulation				
	Clinic Care a				
	Telehealth				
	MODEL to				
	Deliver				
	Continuity of				
	Anticoagulation				
	Care during the				
	COVID 19				
	Pandemic:				
	Insights from				
	Southern India				
188	Effects of	Video call			
	supervised				
	exercise-based				
	tele-				
	rehabilitation				
	group (settle)				
	program on				
	physical fitness				
	and health				

r				
	related quality			
	of life in			
	patients with			
	chronic disease			
	in India in			
	covid-19			
211	Effects of a	Smart phone	Audio/ telephone call	L
	Transitional	application		
	Telehealth			
	Program on			
	Functional			
	Status,			
	Rehospitalizatio			
	n, and			
	Satisfaction			
	With Care in			
	Thai Patients			
	with Heart			
	Failure			
213	Mobile App	Smart phone app	plication	
	Based Strategy			
	Improves Door-			
	to-Needle Time			
	in the Treatment			
	of Acute			
	Ischemic Stroke			
219	Phone calls for	Audio/ telephon	e call	
	improving blood			
	pressure control			
	among			
	hypertensive			
	patients			

	attending			
	private medical			
	practitioners in			
	India: Findings			
	from Mumbai			
	hypertension			
	project			
224	Randomized	Audio/ telephon	e call	
	controlled trial			
	of a self-			
	efficacy			
	enhancement			
	program for the			
	cardiac			
	rehabilitation of			
	Thai patients			
	with myocardial			
	infarction.			
68B	Efficacy of	Audio/	Video lessons	
	nurse-led	telephone call		
	cardiac			
	rehabilitation on			
	health care			
	behaviours in			
	adults with			
	chronic heart			
	failure: An			
	experimental			
	design			
231	Active	Video call		
	surveillance			
	with			

	telemedicine in	
	patients on	
	anticoagulants	
	during the	
	national	
	lockdown	
	(COVID-19	
	phase) and	
	comparison with	
	pre-COVID-19	
	phase	
247	A prospective	SMS messaging
	study to assess	
	the medication	
	adherence	
	pattern among	
	hypertensives	
	and to evaluate	
	the use of	
	cellular phone	
	text messaging	
	as a tool to	
	improve	
	adherence to	
	medications in a	
	tertiary health-	
	care center	
253	Effect of	SMS & Phone call
	mHealth on	
	modifying	
	behavioural	
	risk-factors of	
	1	

	non-	
	communicable	
	diseases in an	
	adult, rural	
	population in	
	Delhi, India.	
265	Smartphone	Smart phone application
	application self	
	checklist for	
	detecting atrial	
	fibrillation in	
	general	
	population	
276	Evaluating the	SMS & Phone call
	Feasibility and	
	Acceptability of	
	a Mobile	
	Health-Based	
	Female	
	Community	
	Health	
	Volunteer	
	Program for	
	Hypertension	
	Control in Rural	
	Nepal: Cross-	
	Sectional Study	
277	Comparison of	Smart phone application
	an app based	
	low density	
	lipoprotein	
	cholesterol (Ldl-	

	c) estimation	
	with direct assay	
	and friedewald	
	formula in	
	Indian	
	population	
285	Innovative tool	SMS messaging
	for health	
	promotion for	
	at-risk Thai	
	people with	
	hypertension	
286	Impact of	SMS & Phone call
	multimodal	
	interventions on	
	medication	
	nonadherence	
	among elderly	
	hypertensives:	
	A randomized	
	controlled study	
296	Is a smartphone	Smart phone application
	application	
	effective in	
	improving	
	physical activity	
	among medical	
	school students?	
	Results from a	
	quasi-	
	experimental	
	study.	

- 25
- 26

27 **D- Search Strategy**

- 28
- 29 Table 1: Concepts and Search terms
- 30

Concepts	Search terms				
Telehealth	("Telemedicine"[Mesh] OR "Cell Phone"[Mesh] OR "Mobile				
	Applications"[Mesh] OR "Telemetry"[Mesh] OR telehealth OR mhealth				
	OR m-health OR "mobile health" OR smartphon* OR "text message*" OR				
	videoconference* OR "information and communication technolog*" OR				
	ehealth OR e-health OR telemedicine OR teleconsultation OR				
	telemonitoring OR telerehabilitation OR "remote patient management" OR				
"home-based monitoring" OR telediagnostics OR telemicrobiolo					
	telenursing OR "digital health technolog*" OR "clinical decision support")				
SEA	("Asia, Southeastern"[Mesh] OR "South-East Asia" OR "South east asia"				
	OR "Bangladesh" OR "Bhutan" OR "Korea" OR "India" OR "Indonesia"				
	OR "Maldives" OR "Myanmar" OR "Nepal" OR "Sri Lanka" OR				
	"Thailand" OR "Timor-Leste")				
NCD	("Noncommunicable Diseases" [Mesh] OR "Chronic Disease" [Mesh]				
	OR "Cardiovascular Diseases" [Mesh] OR "Hypertension")				
L	1				

31

32
33
34
35
36 References of 51 Included articles:
37 1. Sharma AK, Baig VN, Ahuja J, et al. Efficacy of IVRS-based mHealth
38 intervention in reducing cardiovascular risk in metabolic syndrome: a cluster

39 randomized trial. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 2021;

40 15: 102182. https://doi.org/10.1016/j.dsx.2021.06.019

41 2. Harikumar R, Shivappriya SN. Intelligent telemetry system for ECG

42 monitoring. *Indian Heart Journal* 2014; 66: s1.

43 https://core.ac.uk/download/pdf/82801940.pdf

44 3. Ganapathy K, Nukala L, Premanand S, et al. Telemedicine in camp mode while

45 screening for noncommunicable diseases: a preliminary report from India. *Telemedicine*46 *and e-Health* 2020; 26: 42-50. https://doi.org/10.1089/tmj.2018.0300

47 4. Garner SL, George CE, Young P, et al. Effectiveness of an mHealth application

48 to improve hypertension health literacy in India. *International Nursing Review* 2020;

49 67:476-483. https://doi.org/10.1111/inr.12616

50 5. Sureshkumar K, Murthy GVS, Munuswamy S, Goenka S, Kuper H. 'Care for

51 Stroke', a web-based, smartphone-enabled educational intervention for management of

52 physical disabilities following stroke: feasibility in the Indian context. BMJ Innovations

53 2015; 1:3. http://dx.doi.org/10.1136/bmjinnov-2015-000056

54 6. Vamadevan AS, Jindal D, Jha D, Venugopal V, Gupta P, Roy A, Prieto D, Perel

55 P, Tandon N, Patel V, Prabhakaran D. PT204 Mwellcare Trial: A Multi-Center, Cluster

56 Randomized, Controlled Clinical Trial of Mwellcare, an Mhealth System for an

57 Integrated Management of Patients With Hypertension and Diabetes in India. Global

58 *Heart* 2016 Jun 1;11: e157-8. https://doi.org/10.1016/j.gheart.2016.03.556

59 7. Yuksen C, Sawatmongkornkul S, Tuangsirisup J, Sawanyawisuth K,

60 Sittichanbuncha Y. The CPR outcomes of online medical video instruction versus on-

scene medical instruction using simulated cardiac arrest stations. *BMC Emergency*

62 *Medicine* 2016; 16:1-6. https://doi.org/10.1186/s12873-016-0092-3

8. Mohan B, Sharma S, Sharma S, et al. Assessment of knowledge about healthy

64 heart habits in urban and rural population of Punjab after SMS campaign—A cross-

65 sectional study. *Indian Heart Journal* 2017; 69:480-484.

66 https://doi.org/10.1016/j.ihj.2017.05.007

9. Tian M, Ajay VS, Dunzhu D, et al. A cluster-randomized, controlled trial of a

simplified multifaceted management program for individuals at high cardiovascular

risk (SimCard trial) in rural Tibet, China, and Haryana, India. *Circulation* 2015; 132:

70 815-824. https://doi.org/10.1161/circulationaha.115.015373

- 71 10. Uddin J, Joshi VL, Moniruzzaman M, et al. Effect of home-based cardiac
- rehabilitation in a lower-middle income country: results from a controlled trial. Journal
- of Cardiopulmonary Rehabilitation and Prevention 2020; 40: 29-34.
- 74 https://doi.org/10.1097/HCR.00000000000471
- 75 11. Bhavnani SP, Sola S, Adams D, Venkateshvaran A, Dash PK, Sengupta PP. A
- randomized trial of pocket-echocardiography integrated mobile health device
- assessments in modern structural heart disease clinics. JACC: Cardiovascular Imaging
- 78 2018; 11:546-557. https://doi.org/10.1016/j.jcmg.2017.06.019
- 79 12. Arjunan P, Trichur RV. The impact of nurse-led cardiac rehabilitation on quality
- 80 of life and biophysiological parameters in patients with heart failure: A randomized
- clinical trial. *The Journal of Nursing Research* 2021; 29: e130.
- 82 https://doi.org/10.1097/jnr.000000000000407
- 83 13. Sharma S, Padma MV, Bhardwaj A, Sharma A, Sawal N, Thakur S. Telestroke

in resource-poor developing country model. *Neurology India* 2016; 64:934 DOI:

- ktps://doi.org/10.4103/0028-3886.190243
- 86 14. Prabhakaran D, Jha D, Prieto-Merino D, et al. Effectiveness of an mHealth-

87 based electronic decision support system for integrated management of chronic

88 conditions in primary care: the mWellcare cluster-randomized controlled trial.

- *Circulation* 2019; 139:380-391.
- 90 https://doi.org/10.1161/CIRCULATIONAHA.118.038192
- 91 15. Peiris D, Praveen D, Mogulluru K, et al. SMARThealth India: a stepped-wedge,
- 92 cluster randomized controlled trial of a community health worker managed mobile
- health intervention for people assessed at high cardiovascular disease risk in rural India.
- 94 *PLoS One* 2019; 14: e0213708. https://doi.org/10.1371/journal.pone.0213708

95	16. Patel A, Praveen D, Maharani A, et al. Association of multifaceted mobile			
96	technology-enabled primary care intervention with cardiovascular disease risk			
97	management in rural Indonesia. JAMA cardiology 2019; 4: 978-986.			
98	https://doi.org/10.1001/jamacardio.2019.2974			
99	17. Singh M, Agarwal A, Sinha V, et al. Application of handheld tele-ECG for			
100	health care delivery in rural India. International Journal of Telemedicine and			
101	Applications 2014; 12-12. https://doi.org/10.1155%2F2014%2F981806			
102	18. Dandge S, Jeemon P, Reddy PS. Technology enabled non-physician health			
103	workers extending telemedicine to rural homes to control hypertension and diabetes			
104	(TETRA): A pre-post demonstration project in Telangana, India. PloS one 2019; 14:			
105	e0211551. https://doi.org/10.1371/journal.pone.0211551			
106	19. Nohara Y, Kai E, Ghosh PP, et al. Health checkup and telemedical intervention			
107	program for preventive medicine in developing countries: verification study. Journal of			
108	medical Internet research 2015; 17: e3705. https://doi.org/10.2196/jmir.3705			
109	20. Jahan Y, Rahman MM, Faruque AS, et al. Awareness development and usage of			
110	mobile health technology among individuals with hypertension in a rural community of			
111	Bangladesh: randomized controlled trial. Journal of Medical Internet Research 2020;			
112	22: e19137. https://doi.org/10.2196/19137			
113	21. Mappangara I, Qanitha A, Uiterwaal CS, Henriques JP, de Mol BA. Tele-ECG			
114	consulting and outcomes on primary care patients in a low-to-middle income			
115	population: the first experience from Makassar telemedicine program, Indonesia. BMC			
116	family practice 2020; 21: 1-11. https://doi.org/10.1186/s12875-020-01325-4			
117	22. Ajay VS, Jindal D, Roy A, et al. Development of a smartphone-enabled			
118	hypertension and diabetes mellitus management package to facilitate evidence-based			
119	care delivery in primary healthcare facilities in India: the mPower Heart Project.			
120	Journal of the American Heart Association 2016; 5: e004343.			
121	https://doi.org/10.1161/JAHA.116.004343			
122	23. Sarma K, Xia P, Lin J, Tan A, Bunn J, Chandy K. Low-cost cloud-based remote			

auscultation. In *Journal of Investigative Medicine* 2012 January; 60:199-199.

124 https://www.researchgate.net/publication/321038522 Low-cost Cloud-

125 based_Remote_Auscultation

- 126 24. Mehta S, Sharma S, Sharma S, et al. TCT-395 Cost-effective, Innovative,
- 127 Indigenous, Population-based and Telemedicine-guided, AMI Strategy for India's most
- Populous State. *Journal of the American College of Cardiology* 2017; 70: B162-B162.
- 129 https://www.jacc.org/doi/full/10.1016/j.jacc.2017.09.492
- 130 25. Uddin J, Joshi VL, Moniruzzaman M, et al. Effect of home-based cardiac
- rehabilitation in a lower-middle income country: results from a controlled trial. *Journal*
- *of Cardiopulmonary Rehabilitation and Prevention* 2020; 40: 29-34. DOI:
- 133 10.1097/HCR.000000000000471
- 134 26. Sakulsupsiri A, Chattranukulchai P, Sangwatanaroj S, Montrivade S,
- 135 Siwamogsatham S, Vorasettakarnkij Y, et al. PO209 Blood Pressure Control and Drug
- 136 Prescription Patterns Among Thai Hypertensive Patients: An Analysis of Telehealth
- 137 Assisted Interventions In Home Blood Pressure Monitoring (Thai HBPM) Nationwide
- 138 Project. *Global Heart* 2018; 13: 426. https://doi.org/10.1016/j.gheart.2018.09.179
- 139 27. Jarhyan P, Venkateshmurthy NS, Khatkar R, et al. PO518 Health Worker Led,
- 140 m-health Enabled Screening, Follow-Up and Linkage to the Health System of People
- 141 With Hypertension In India. *Global Heart* 2018; 13:488.
- 142 https://doi.org/10.1016/j.gheart.2018.09.396
- 143 28. Mehta S, Rodriguez D, Botelho R, et al. P4491 Telemedicine-guided STEMI
- 144 networks-Pragmatic and cost-effective strategies for population-based AMI care in
- developing countries. *European Heart Journal* 2018; 39: ehy563-P4491.
- 146 https://doi.org/10.1093/eurheartj/ehy563.P4491
- 147 29. Soni A, Karna S, Fahey N, et al. Age-and-sex stratified prevalence of atrial
- 148 fibrillation in rural Western India: Results of SMART-India, a population-based
- screening study. Int J Cardiol. 2019 Apr 1; 280: 84-88. 10.1016/j.ijcard.2018.12.016
- 150 30. Ganapathy K, Alagappan D, Rajakumar H, et al. Tele-emergency services in the
- 151 Himalayas. *Telemedicine and e-Health* 2019; 25: 380-390.
- 152 https://doi.org/10.1089/tmj.2018.0027

153 31. Sunjaya AP, Sunjaya AF, Priyana A. Insights and challenges of Indonesia's

acute coronary syndrome telecardiology network: three year experience from a single

155 center and in west Jakarta, Indonesia. In IOP Conference Series: Materials Science and

156 Engineering 2019 April; 508:012142. IOP Publishing. 10.1088/1757-

- 157 899X/508/1/012142
- 158 32. Jaiswal A, Kabra D, Baheti N, Nitin NC. Finding solutions: Whatsapp consult
- 159 with neurologist can guide physicians to thrombolyse acute ischemic stroke patients.
- 160 *Journal of the Neurological Sciences* 2019; 405:63.
- 161 https://doi.org/10.1016/j.jns.2019.10.543
- 162 33. Sivasamy S, Sundaragopal AK, Chaly PE, Nijesh JE, Selvaperumal V, Divvi A.
- 163 Can Dietary Instructions Delivered Through Mobile Application Reduce Sweet Score
- among Adolescents in Chennai, India?–A Randomized Controlled Preventive Trial.
- 165 *Medico-legal Update* 2020; 20: 2229. https://doi.org/10.37506/mlu.v20i4.2176
- 166 34. Hafeez I, Shamas N, Zargar M, et al. PROVIDING OPTIMAL REGIONAL
- 167 CARE FOR TIME SENSITIVE CARDIAC EMERGENCIES BY USING SMART
- 168 PHONES-A STUDY UTILIZING WHATSAPP AS A TOOL TO INTEGRATE LOCAL
- 169 HEALTH NETWORK IN REMOTE AREAS OF NORTH INDIA: SAVE HEART
- 170 KASHMIR. Journal of the American College of Cardiology 2020; 75: 2289-2289.
- 171 https://www.jacc.org/doi/full/10.10134.6/S0735-1097%2820%2932916-8
- 172 35. Bhattacharyya D, Pavithran TC. PUK7 Budget Impact Of A New Mobile
- 173 Application Reimbursement Strategy For Diabetic Patients In Andhra Pradesh (India).
- 174 Value in Health Regional Issues 2020; 22: S109.
- 175 https://doi.org/10.1016/j.vhri.2020.07.568
- 176 36. Gona O, Sk S, Madhan R. PCV81 Virtual Anticoagulation Clinic Care a
- 177 Telehealth MODEL to Deliver Continuity of Anticoagulation Care during the COVID
- 178 19 Pandemic: Insights from Southern India. *Value in Health* 2020; 23: S501.
- 179 https://doi.org/10.1016/j.jval.2020.08.572
- 180 37. Patel J, Franklin BA, Pujary D, et al. Effects of supervised Exercise-Based
- 181 Telerehabilitation on walk test performance and quality of life in patients in India with

- 182 chronic disease: Combatting Covid-19. International Journal of Telerehabilitation
- 183 2021; 13:1. https://doi.org/10.5195%2Fijt.2021.6349
- 184 38. Somsiri V, Asdornwised U, O'Connor M, Suwanugsorn S, Chansatitporn N.
- 185 Effects of a transitional telehealth program on functional status, rehospitalization, and
- satisfaction with care in Thai patients with heart failure. *Home Health Care*
- 187 Management & Practice 2021; 33: 72-80. https://doi.org/10.1177/108482232096940
- 188 39. Noone ML, Moideen F, Krishna RB, et al. Mobile app based strategy improves
- door-to-needle time in the treatment of acute ischemic stroke. *Journal of Stroke and*
- 190 *Cerebrovascular Diseases* 2020; 29: 105319.
- 191 https://doi.org/10.1016/j.jstrokecerebrovasdis.2020.105319
- 40. Kannure M, Hegde A, Khungar-Pathni A, et al. Phone calls for improving blood
- 193 pressure control among hypertensive patients attending private medical practitioners in
- 194 India: Findings from Mumbai hypertension project. The Journal of Clinical

195 *Hypertension* 2021; 23: 730-737. https://doi.org/10.1111/jch.14221

- 196 41. Vibulchai N, Thanasilp S, Preechawong S. Randomized controlled trial of a
- 197 self-efficacy enhancement program for the cardiac rehabilitation of Thai patients with
- 198 myocardial infarction. *Nursing & Health Sciences* 2016; 18: 188-195.
- 199 https://doi.org/10.1111/nhs.12243
- 42. Arjunan P, D'Souza MS. Efficacy of nurse-led cardiac rehabilitation on health
- 201 care behaviors in adults with chronic heart failure: An experimental design. *Clinical*
- *Epidemiology and Global Health* 2021; 12: 100859.
- 203 https://doi.org/10.1016/j.cegh.2021.100859
- 43. Singh G, Kapoor S, Bansal V, et al. Active surveillance with telemedicine in
- 205 patients on anticoagulants during the national lockdown (COVID-19 phase) and
- comparison with pre-COVID-19 phase. *The Egyptian Heart Journal* 2020; 72: 1-7.
- 207 https://link.springer.com/article/10.1186/s43044-020-00105-w
- 208 44. Shukla G, Tejus A, Vishnuprasad R, Pradhan S, Prakash MS. A prospective
- study to assess the medication adherence pattern among hypertensives and to evaluate
- the use of cellular phone text messaging as a tool to improve adherence to medications

- in a tertiary health-care center. *Indian Journal of Pharmacology* 2020; 52: 290.
- 212 https://doi.org/10.4103%2Fijp.IJP_498_19
- 45. Sharma M, Banerjee B, Ingle GK, Garg S. Effect of mHealth on modifying
- behavioral risk-factors of non-communicable diseases in an adult, rural population in
- 215 Delhi, India. *Mhealth* 2017; 3. https://doi.org/10.21037%2Fmhealth.2017.08.03
- 46. Fadlan MR, Rizal A, Sitio M, et al. Smartphone Application Self Checklist For
- 217 Detecting Atrial Fibrillation In General Population. In *European Heart Journal*
- 218 *Supplements* 2019; 21, F45-F45.
- https://academic.oup.com/eurheartjsupp/article/21/Supplement_F/iii37/5502913
- 47. Ni Z, Atluri N, Shaw RJ. Evaluating the feasibility and acceptability of a
- 221 Mobile health-based female community health volunteer program for hypertension
- control in rural Nepal: cross-sectional study. JMIR mHealth and uHealth 2020; 8:
- e15419. https://doi.org/10.2196/15419
- 48. Pallavi B, Krishnamurthy U. Comparison of An App Based Low Density
- 225 Lipoprotein Cholesterol (LDL-C) Estimation with Direct Assay and Friedewald
- 226 Formula in Indian Population. Indian Journal of Public Health Research &
- 227 Development 2020; 11:6. https://doi.org/10.37506/ijphrd.v11i6.9758
- 49. Thatthong N, Sranacharoenpong K, Praditsorn P, et al. Innovative tool for health
- promotion for at-risk Thai people with hypertension. *Journal of Public Health* 2020;
- 230 28: 437-443. https://link.springer.com/article/10.1007/s10389-019-01028-w
- 231 50. Sheilini M, Hande HM, Prabhu MM, Pai MS, George A. Impact of multimodal
- interventions on medication nonadherence among elderly hypertensives: a randomized
- controlled study. *Patient preference and adherence* 2019; 549-559.
- 234 https://doi.org/10.2147/PPA.S195446
- 235 51. Pentakota N, Ramaswamy G, Thekkur P, Nair D, Chinnakali P, Kumar Saya G.
- 236 Is a smartphone application effective in improving physical activity among medical
- 237 school students? Results from a quasi-experimental study. *International Journal of*
- Adolescent Medicine and Health 2019; 33: 20180192. https://doi.org/10.1515/ijamh-
- 239 2018-0192

240			
241			
242			