

Supplementary Table 2. Participant vitals monitored by RPM device in each study

First author, Year	Patient Group or Disease	Comorbidities mentioned	BP	HR	SpO2	HbA1c	Weight	Temp	ECG	FEV1	Patient or informant questionnaires (e.g. symptoms)	Other
Celler, 2018	Chronic conditions (unspecified)	Yes	X	X	X			X	X	X		
Kenealy, 2015	Chronic conditions (unspecified)	Yes	X		X	X	X					
Orozco-Beltran, 2017	Chronic conditions (unspecified)	Yes	X		X	X	X			X		
Chatwin, 2016	Chronic lung disease (COPD and chronic respiratory failure)	Yes	X	X	X		X				X	
Ishani, 2016	CKD	Yes	X	X	X	X	X					
Ho, 2016	COPD	NS	X		X		X	X			X	Other "Vital signs" (NS)
Sink, 2018	COPD	NS									X	Breathing rating (better, worse, or
Achelrod, 2017	COPD	Yes			X					X	X	
Alshabani, 2019	COPD	Yes										Adherence - inhaler
Clarke, 2018	COPD	Yes	X		X		X	X			X	
Esteban, 2016	COPD	Yes		X	X			X			X	Activity + respiratory rate
Kessler, 2018	COPD	Yes										"Health status information"
McDowell, 2015	COPD	Yes	X	X	X						X	
Mirón Rubio, 2018	COPD	Yes	X	X	X							
Ringbæk, 2015	COPD	Yes			X		X			X	X	
Shany, 2017	COPD	Yes	X	X	X	X	X	X	X	X	X	
Soriano, 2018	COPD	Yes	X		X					X		oxygen therapy
Stamenova, 2020	COPD	Yes	X		X		X	X			X	
Udsen, 2017	COPD	Yes	X	X	X		X					
Vianello, 2016	COPD	Yes		X	X							
Walker, 2018	COPD	Yes	X	X	X			X				Respiratory measures (forced oscillation technique)
Bohingamu Mudiyansele, 2019	COPD or Diabetes	Yes	X	X	X	X						
Nancarrow, 2016	Geriatric	Yes	X		X	X	X	X				Other "Vital signs" (NS)
Lanssens, 2017	Gestational hypertensive disorders	Yes	X				X					Activity
Lanssens, 2018	Gestational hypertensive disorders	Yes	X				X					Activity
van den Heuvel, 2020	Gestational hypertensive disorders	Yes	X								X	
Bingler, 2018	Heart disease - infants	NS			X		X					
Gingele, 2019	Heart failure	NS									X	
Hale, 2016	Heart failure	NS										Adherence - medication
Koehler, 2018	Heart failure	NS	X	X	X		X		X		X	
Nouryan, 2019	Heart failure	NS	X	X	X		X					
Thomason, 2015	Heart failure	NS	X	X	X		X				X	
White-Williams, 2015	Heart failure	NS									X	"Vital signs" (NS)
Agboola, 2015	Heart failure	Yes	X	X	X		X				X	
Amir, 2017	Heart failure	Yes										Lung fluid content
Comin-Colet, 2016	Heart failure	Yes	X	X			X				X	
Galinier, 2020	Heart failure	Yes	X	X	X		X		X		X	
Jenneve, 2020	Heart failure	NS	X	X			X					

Jimenez-Marrero, 2020	Heart failure	Yes					X					"heart failure signs & symptoms" not specified
Kalter-Leibovici, 2017	Heart failure	Yes	X	X			X					
Kao, 2016	Heart failure	Yes								X		"Vitals" (NS)
Koulaouzidis, 2019	Heart failure	Yes					X					
Kraai, 2016	Heart failure	Yes					X			X		
Leng Chow, 2020	Heart failure	Yes	X	X			X					
Mizukawa, 2019	Heart failure	Yes	X	X			X					
Nunes-Ferreira, 2020	Heart failure	Yes	X	X	X		X	X	X			Steps, body water content
Olivari, 2018	Heart failure	Yes	X	X	X		X		X			
Ong, 2016	Heart failure	Yes	X	X			X				X	
Pedone, 2015	Heart failure	Yes	X	X	X							
Pekmezaris, 2019	Heart failure	Yes	X	X	X		X					
Riley, 2015	Heart failure	Yes	X	X	X		X					
Srivastava, 2019	Heart failure	Yes	X	X	X		X					
Ten Eyck, 2019	Heart failure	Yes					X				X	
Wagenaar, 2019	Heart failure	Yes	X	X			X					
Ware, 2020	Heart failure	NS	X	X			X					
Williams, 2016	Heart failure	Yes	X	X	X		X					
Davis, 2015	HF, COPD	Yes		X	X		X					
Lyth, 2019	HF, COPD	Yes									X	Intake - medication
Persson, 2019	HF, COPD	Yes	X		X		X	X		X	X	
Martin-Lesende, 2017	HF, COPD or other chronic lung disease	Yes	X	X	X		X				X	Respiratory rate
Trucco, 2019	Home-ventilated neuromuscular patients	Yes		X	X							IPAP, EPAP, breathing patterns
Cross, 2019	Inflammatory bowel disease	NS									X	
De Luca, 2016	Nursing home patients; Mental health	Yes	X		X				X			
McElroy, 2016	Patients post surgery (cardiac)	Yes	X	X	X		X				X	
Rosner, 2018	Patients post surgery (orthopaedic)										X	
De Simone, 2019	Patients with CIEDs (AF)	Yes		X								Heart rhythm, device functioning, arrhythmic episodes
Böhm, 2016	Patients with CIEDs (HF)	Yes										Intrathoracic fluid
Boriani, 2017	Patients with CIEDs (HF)	Yes										Lung fluid content and atrial tachyarrhythmia,
Capucci, 2017	Patients with CIEDs (HF)	Yes		X								Heart rhythm, device functioning
Geller, 2019	Patients with CIEDs (HF)	NS		X					X			Heart rhythm, device functioning
Hansen, 2018	Patients with CIEDs (HF)	NS		X					X			Heart rhythm, device functioning
Kurek, 2017	Patients with CIEDs (HF)	Yes		X								ICD data - NS
Sardu, 2016	Patients with CIEDs (HF)	Yes		X								ICD data - NS
Tajstra, 2020	Patients with CIEDs (HF)	Yes	X	X					X			Heart rhythm, device functioning
Zakeri, 2020	Patients with CIEDs (HF and AF)	Yes	X	X					X			Heart rhythm, device functioning
Heidbuchel, 2015	Patients with CIEDs (unspecified)	NS		X					X			Heart rhythm, device functioning

Ricci, 2017	Patients with CIEDs (unspecified)	NS											ICD data - NS
Akar, 2015	Patients with CIEDs (unspecified)	Yes		X									Heart rhythm, device functioning
Amara, 2017	Patients with CIEDs (unspecified)	Yes		X									Heart rhythm, device functioning, atrial tachyarrhythmia
Buchta, 2017	Patients with CIEDs (unspecified)	Yes		X									Heart rhythm, device functioning
Bulava, 2016	Patients with CIEDs (unspecified)	Yes		X									Heart rhythm, device functioning
D'Ancona, 2017	Patients with CIEDs (unspecified)	Yes		X									Heart rhythm, device functioning
De Simone, 2015	Patients with CIEDs (unspecified)	Yes		X									Heart rhythm, device functioning
Ladapo, 2016	Patients with CIEDs (unspecified)	Yes		X									Cardiac monitoring - (NS)
López-Liria, 2020	Patients with CIEDs (unspecified)	NS	X	X						X			Heart rhythm, device functioning
Lu`thje, 2015	Patients with CIEDs (unspecified)	Yes											Fluid index
Piccini, 2016	Patients with CIEDs (unspecified)	Yes											ICD data - NS (e.g. Heart rhythm, device functioning, arrhythmias)
Lew, 2018	Peritoneal dialysis patients	Yes	X				X						
Milan Manani, 2020	Peritoneal dialysis patients	Yes	X				X						
Sanabria, 2019	Peritoneal dialysis patients	Yes	X				X						Ultrafiltration profile, initial drainage
Flaherty, 2017	Schizophrenia	NS										X	
TOTALS			49	52	39	6	44	10	13	7		29	

AF = atrial fibrillation; BP = blood pressure; CIED: cardiovascular implantable electronic device; CKD = chronic kidney disease; COPD = chronic obstructive pulmonary disease; ECG = electrocardiogram; EPAP = expiratory positive airway pressure; FEV1 = forced expiratory volume-one second; HbA1c = glycated haemoglobin; HF = heart failure; HR = heart rate; ICD= implantable cardioverter defibrillator; IPAP = inspiratory positive airway pressure; NS = not stated; SpO2= oxygen saturation