	Components of integrated care related to:						
Study ID	Conditions	Where services were		Health professionals	Coordination and	Involvement of patients	
		provided	provided	involved in care	organisation of care	in care	
Systematic r		ded studies from LMICs		1	-		
Bulstra 2021 (34)	HIV and TB, NCDs, mental health, primary health care	Single facility: • One-stop-shop • Co-location Multiple facilities	 HIV: Prevention services Screening HIV testing CD4 and viral load testing HIV self-testing Home-based HIV testing and counselling Linkage to ART care ART ART adherence counselling Pre-exposure prophylaxis NCDs: NCD screening Hypertension screening CVD screening Psychological support Mental health: Depression care Depression care Depression care Mental health care 	Not reported	Not reported	Not reported	

Additional file 4: Components of integrated care (detailed table)

			 TB testing TB Intensive case finding TB treatment Cancer: Colorectal and breast cancer screening Cervical cancer screening General: Primary health care Chronic pain relief therapy Chronic disease management 			
Dudley 2011(23)	HIV and TB	Single facility (TB clinics)	HIV prevention and control HIV testing and counselling TB treatment	Health workers	Not reported	Not reported
Kadia 2021 (36)	HIV and TB	Single facility	Treatment for HIV and TB	Not reported	Not reported	Not reported
Nyirenda 2022 (40)	Tuberculosis and Diabetes	Single facility	Screening of TB in patients with Diabetes Screening of Diabetes in patients with TB Bi-directional screening	Not reported	Not reported	Not reported
Rohwer 2021 (41)	Diabetes and/or hypertension and other	Single facility:Co-locationOne-stop-shop	Diabetes: • Testing • Treatment Hypertension:	Primary health care nurses Physicians	Training of healthcare providers Appointments to initiate ART	Appointment reminders (letters, phone, sms) Support hotline

	diseases (HIV, depression)	Community	TestingTreatment	Ward-based outreach teams	Designated chronic care area at facility	Educational pamphlets
			HIV: • Testing • Linkage to care • ART Depression: • Screening • Management General: • Health promotion and education		Supply of critical medicines Pre-packaging of medications Clinical management support (treatment guidelines, algorithms, electronic decision- support) Expanded prescribing provisions for nurses Key treatment messages displayed Onsite supervision/support	
Sigfrid 2017(29)	HIV and cervical cancer	Single facility: • Within clinic (one-stop shop)	Cervical cancer screening Treatment of minor lesions Treatment of larger lesions Referral Education and	not reported	Additional staff Appropriate referral Coordination of local experts and pathologists	not reported
			counselling Outreach awareness campaign			

		Single facility: • Co-location (clinics at same facility)	Counselled and referred for screening Cervical cancer screening Treatment of minor lesions Referral of any treatment Referral of complex lesions	HIV and gynecological specialists	Coordination of ART and reproductive units with bidirectional referral and patient tracking Coordination of mobile unit and ART clinic Coordination between HIV and Cancer screening clinics Care coordinated by specialist nurse	not reported
		Multiple facilities	Cervical cancer screening Treatment of minor lesions Treatment of larger lesions Referral Counselling HIV screening and referral Community awareness for Cervical cancer screening	not reported	Coordination with external center and lay health workers to ensure follow-up Coordinated referral between reproductive and child health and HIV clinics Coordination with external pathologists Coordinated referral and follow-up	not reported
			niddle-, and high-income co			
Chuah 2017(22)	HIV and mental health	Single facility	Not reported	Not reported	Case conferences Shared medical notes and individual discussions Internal referral system	Not reported

				Joint consultations	
	Multiple facilities	Referral between	Not reported		Not reported
		services			
				Case discussions	
	Not reported		Nurse	Case management	Patient-led coordination of care
		patients.	Primary care staff		
		Referral to HIV services	Casial washes		
			Social worker		
			Depression-care		
LUV and	Single facility	Treatment		modical record tagging	Datiant parapactivas
	Single facility	rreatment		medical record tagging	Patient perspectives
r disease,		Screening and referral	nurses, community		Self-management
hypertension					
or diabetes					
			community health		
Various	Not reported	Not reported		Coordinated care	Patient engagement
conditions	·	I I	1 ,		Self-management plans
including Diskates					Sell-Inaliagement plans
				Data driven quality of care	
depression,					
coronary					
	Single facility:	Group educational	MDT including:	Regular team meetings	Communication (face-
hypertension	 Co-location 	sessions	Physician,	(bi-weekly, weekly, daily)	to-face, online, phone
			endocrinologist,	Shared medical	calls)
			pharmacists, physical	appointments	
	hypertension or diabetes Various conditions including Diabetes, Hypertension, depression, coronary heart disease Diabetes and	cardiovascula r disease, hypertension or diabetes Various conditions including Diabetes, Hypertension, depression, coronary heart disease Diabetes and Single facility:	Referral between servicesNot reportedFor mental health patients: Referral to HIV servicesHIV and cardiovascula r disease, hypertension or diabetesSingle facilityTreatment Screening and referralVarious conditions including Diabetes, Hypertension, depression, coronary heart diseaseNot reportedNot reportedSingle facility:Single facility:Screening and referralVarious conditions includingNot reportedNot reportedSingle facility:Single facility:Screening and referral	Referral between servicesReferral between servicesNot reportedFor mental health patients: Referral to HIV servicesNurse Primary care staff Social workerHIV and cardiovascula r disease, hypertension or diabetesSingle facilityTreatment Screening and referralmulti-disciplinary teams of doctors, nurses, community workers, nutritionists, AIDS officers and pharmacistsVarious conditions including 	Multiple facilitiesReferral between servicesNot reportedCollaborative networks and referral mechanisms Case discussionsNot reportedFor mental health patients: Referral to HIV servicesNurse Primary care staff Social worker Depression-care managerCase managementHIV and cardiovascula r disease, hypertension or diabetes, hypertension, depression, caronary heart disease hypertensionSingle facilityTreatment Screening and referral mult-disciplinary teams of doctors, nurses, community workersmedical record tagging teams of doctors, nurses, community workers and pharmacists community health workersCoordinated care Continuity of care Data driven quality of care Data driven quality, daily) shared medical disciplinary, disciplinary, d

Customatic				therapist, psychologist, nurse, diabetes specialist, educator, exercise specialist, social worker, pharmacists, optometry faculty and students,	Shared electronic medical records Case management Collaborative practice agreement Treatment plans Consultant services Caseload tracking Clinical practice guidelines Medication reconciliation	Patient-centred medical home
	1	ded studies from high-ir		L		
Atlantis 2014(21)	Diabetes and depression	Not reported	Treatment maintenance and relapse prevention Referral Education	Nurse Psychologist Nurse plus general practitioner	Stepped care framework Supervised case-manager	Problem-solving therapy Goal setting Self-monitoring education Self-care education Patient-centered care
Hopman 2016(25)	Multiple chronic conditions	Home Single facility	Not reported	Medical groups and physician networks Nurse General practitioner	Case manager Follow up appointments Prevention of hospital readmission Decision support Clinical information system Delivery system design	Self-management Community resources

Huang 2013(26)	Depression and diabetes	Single facility	Treatment for depression Management of diabetes	MDT: primary care physician, nurse, psychologist	Structured management plan Enhanced Interprofessional communication scheduled follow-up	Not reported
Kappelin 2021 (37)	Diabetes, COPD, Congestive heart disease, Asthma, Musculoskele tal pain, Acute coronary heart syndrome,	Primary care or community setting	Psychological treatment	Physician or advanced practice nurse, plus a care manager (social work specialist, research coordinator, psychologist, problem- solving technique specialist, nurse)	Structured management plan (stepped care model, care plan, education) Scheduled follow-up appointments (telephonic or face-to-face) Enhanced interprofessional communication (written or oral)	Support for self-care Problem-solving techniques
Kastner 2018(27)	Diabetes and depression, diabetes and cardiovascula r disease, heart failure and COPD	PHC facilities Home Outpatient clinics Hospitals Nursing homes	Education Cognitive behavioural therapy	Multi-disciplinary teams	Case management Disease management Care pathway Facilitated relay Electronic clinical decision support system Computer-based counselling system Telemedicine Telecare	Self-management Patient empowerment Medication self- management
Li 2017(28)	Cancer and depression	Home	Therapy for depression	not reported	Telephone monitoring and relapse prevention	Problem-solving therapy

Martens 2021 (39)	Severe mental illness and various other chronic diseases (Diabetes, CVD risk	Not reported	Screening Counselling Psychological treatment Behavioural interventions	MDT Nurse care manager Psychiatrist, Advanced practice nurse	Automatic symptom monitoring Follow-up Team meetings Training of team Individualised health plan Coordination of care	Education materials Health education Support to attend medical appointments Self-management
	factors, dyslipidemia)			Endocrinologist consultant	Case manager Regular team meetings	support Lifestyle coaching
				Peer specialists	Care management	Shared care-plans
						Peer coaching
						Peer support
Smith 2021a(30)	Multiple chronic conditions	Home-based care Multiple facilities	Diagnosis Treatment	Family physician Nurse	Case management Regular planned	Goal setting Self-management
		Single facility	Education	Occupational therapist	participant visits	support Individualised care plans
			Preventive care Pharmaceutical care	Physical therapist Primary care practitioner	Weekly team meetings Stepped care	Patient engagement workshop
			Cognitive behavioural therapy	Psychologist	Peer support through group meetings	Patient-oriented intervention
				Dietician	Multidisciplinary team management	
				Social worker Endocrinologist	Structured visits with nurses	
				Psychiatrist	Individualised care plans and treatment targets,	

					Follow up phone calls	
Smith 2021b (42)	Multimorbidit y (various conditions)	Not reported	Not reported	MDT Nurses Physicians Chronic disease and management professionals (Nursing, physical activity, nutrition, respiratory therapy, smoking cessation) Coaches	Follow up phone calls Home assessments Coordination of care Monthly monitoring Patient care plans Group practices Structured extended GP consultations and relationship continuity Practitioner support and training Continuity of care IT support GP training Medication review	Self-management support Shared care plan Goal setting Focus on patient priorities Education materials Telephone coaching Workshop and telephone calls before and after medical appointment
Tully 2015(31)	Coronary heart disease and Depression	Not reported	Treatment for depression: Problem- solving therapy, Cognitive behavioural therapy, Pharmacotherapy Education Referral to community mental health service	Allied health team Nurse Social worker Primary care physician Psychiatrist Physician	Telephone follow-up Stepped care approach Structured follow-up Feedback to PCP	Patient preferences for care Development of patient goals
Van Eck van der Sluijs 2018(32)	Chronic diseases and depression or dysthymia	Single facility	Diagnosis Treatment for chronic condition	Case manager General practitioner Psychiatrist	Case management	Not reported

			Monitoring or psychotherapy for depression/anxiety			
Watson 2013(33)	Chronic diseases and depression	Not reported	Treatment for depression: Pharmacotherapy, Problem-solving therapy, Cognitive behavioural therapy Education Referral to mental services	Nurse Psychologist Psychiatrist supervision Social worker MDT	Stepped care approach Monitoring of treatment response	Patient preference for treatment Decision support Goal setting Support for self-care Motivational coaching