

Supplemental Material S2: study characteristics

PATIENTS AND INFORMAL CAREGIVERS	First author	Setting	Design	Data collection mean	N population	Age	No of medication taken	Studied CVM(s)	Prevention type	Life-limiting disease
	Benson, 2005 (UK)	Primary care	Qualitative	Interviews	38 patients	18% <50 years 16% 50-59 years 29% 60-69 years 24% 70-79 years 13% ≥80 years	Antihypertensives: 50%: 1; 39%: 2; 11%: ≥3 Non-antihypertensives: 34%: 0; 18%: 2, 13%: 3; 11%: 4; 8%: ≥5	Antihypertensives	Unknown	No
	Brinton, 2018 (USA)	Online panels	Quantitative descriptive	Survey	5014 patients	Mean age: 64	99% of current statin users taking a mean of 7.7 meds	Statin	Primary & secondary	No
	Crutzen, 2020 (Netherlands)	Primary care	Qualitative	FGs	17 patients 1 caregiver	Median age: FG1: 78 FG2: 77.5	FG1: 6: 5-10; 2: >10 FG2: 4: 5-10; 5: >10	Cardiometabolic medication	Primary & secondary	No
	Goyal, 2020 (USA)	Quaternary care	Qualitative	Interviews	10 patients	Median age: 80	Median of 12	β-blockers	Primary & secondary	No
	Jansen, 2019 (Australia)	Primary care	Qualitative	Interviews	30 patients	20: 75-79 years 4: 80-84 years 5: 85-89 years 1: ≥90 years	Unknown	Preventive CV medication	Primary & secondary	No
	Luymes, 2017 (Netherlands)	Primary care	Mixed methods	Q-sorts Group discussions	33 patients	Mean age: - Q-Sort: 57.1 - Discussion: 57.7	Unknown	LLTs Antihypertensives	Primary	No
	Pickering, 2020 (USA)	Claude D. Pepper Older Americans Independence Center Research Registry; Pitt+Me registry	Qualitative	FGs	16 patients 17 caregivers	Patients ≥ 65 Caregivers 22-69	≥ 5 prescribed	Unspecified (identified: antihypertensives, statins, antiplatelets, antidiabetics)	Primary & secondary	No
	Qi, 2015 (Australia)	Tertiary care	Quantitative descriptive	Survey	180 patients	Median age: 78	Median of 8	Regular medications Statins	Primary & secondary	No
	Tija, 2017 (USA)	PCRC member sites	Quantitative descriptive	Survey	297 patients	Mean age: 71.8	Mean of 11.5	Statin	Primary & secondary	Yes

	Van Bussel, 2019 (Netherlands)	Primary care	Qualitative	Interviews	15 patients	Mean age: 81	Median of 4 with median of 2 antihypertensives	Antihypertensives	Primary	No	
HCPs	First author	Setting	Design	Data collection mean	N population	Years of experiences	HCPs' patients' characteristics				
							Age	No of medication taken	Studied CVM(s)	Prevention type	Life-limiting disease
	Ailabouni, 2016 (New Zealand)	Primary care	Qualitative	Interviews	10 GPs	Unknown	83	17	Antiplatelets, statin, antidiabetics, diuretics, β -blocker, ACE inhibitor	Secondary	No
	Ailabouni, 2016 (New Zealand)	Primary care	Qualitative	Interviews	10 GPs	2-32	Unspecified (older patients)	Unknown	Unspecified (statin and aspirin mentioned)	Unknown	No
	Anderson, 2017 (Australia)	Primary care	Qualitative	FGs	32 GPs 15 CPs	GPs: median of 18 CP: median of 9	Unknown	Unknown	Unspecified (statin mentioned)	Unknown	No
	Geijteman, 2018 (Netherlands)	Primary & secondary care	Quantitative descriptive	Survey	174 GPs 147 clinical specialists (medical oncologists, geriatricians, cardiologists, pulmonologists, neurologists)	203: 0-9 years 56: 10-19 years 40: 20-29 years 18: \geq 30 years	88	10	ACE inhibitor, statin, anticoagulant, diuretic, antidiabetic	Secondary	Yes
	Goyal, 2020 (USA)	Secondary and tertiary care	Quantitative descriptive	Survey	184 geriatricians 182 general internists 87 cardiologists	86: 1-10 years 99: 11-20 years 138: 21-30 years 130: > 30 years	79	Unspecified (several)	4 CV medications	Unknown	Yes and no

	Green, 2019 (USA)	Primary & secondary care	Qualitative	Interviews	19 physicians 2 nurse practitioners (family, internal & geriatric medicine, urogynecology, endocrinology, cardiology)	Mean of 14	Unspecified (older patients)	Unknown	Unspecified (oral anticoagulants, antidiabetics, statins mentioned)	Unknown	Yes
	Jansen, 2017 (Australia)	Primary care	Qualitative	Interviews	25 GPs	2: < 10 years 4: 10-19 years 7: 20-29 years 12: ≥ 30 years	≥75	Unknown	Preventive CV medication	Primary	No
	Thompson, 2020 (Denmark)	Primary care	Qualitative	Interviews	11 GPs	Mean of 9	≥ 80	Unknown	Statin	Unknown	Yes and no
	Van Middelaar, 2020 (Netherlands)	Primary care	Qualitative	Interviews	15 GPs	4: 0-5 years 3: 5-10 years 3: 10-15 years 5: > 15 years	Unspecified (older patients)	Unknown	Antihypertensives	Unknown	Yes and no
	Van der Ploeg, 2018 (30 countries)	Primary care	Quantitative descriptive	Survey	2250 GPs	358: < 5 years 1024: 5-20 years 865: > 20 years	≥ 80	Unknown	Statin	Primary and secondary	Yes and no
PATIENTS, INFORMAL	First author	Setting	Design	Data collection mean	N population	Years of experiences	HCPs' patients' characteristics				
							Age	No of medication taken	Studied CVM(s)	Prevention type	Life-limiting disease
	Luymes, 2016 (Netherlands)	Primary care	Qualitative	Audiotaped deprescribing consultations	10 GPs 49 patients	Unknown	Median of 55.4	27: < 2 kinds 22: ≥ 2 kinds	Antihypertensives, LLTs	Primary	No

	Todd, 2016 (UK)	Specialist palliative care unit at a daycare centre	Qualitative	Interviews	12 patients 12 informal caregivers 3 palliative consultants 3 nurse practitioners 6 GPs	Unknown	1: < 50 3: 51-60 3: 61-70 3: 71-79 2: ≥ 80	Unknown	Unspecified (preventive medications, including statins, antihypertensives)	Unknown	Yes
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Legend: CPs: community pharmacists; CV: cardiovascular; CVM: cardiovascular medications; FGs: focus groups; GPs: general practitioners; HCPs: healthcare providers; LLTs: lipid-lowering therapies; PCRC: Palliative Care Research Cooperation Group