



Figure S1 Study inclusion flowchart.

**Table S1** Description of included studies

First author	Year of publication	Country	Intervention type	Population	Description
Adam (12)	2021	UK, Netherlands	Digital symptom monitoring	Cancer patients with pain and utilising strong opioids. Interviews with patients, carers and HCPs	Feasibility study of Can-Pain digital app.
Afshar (33)	2022	Germany	Identification tool	GPs in Germany were recruited. Applied the tool to patients with chronic, progressive diseases	Pre-post intervention design evaluating the effect of the German version of the SPICT on the identification of patients with potential PC needs and the initiation of patient-centred PC measures
Canny (35)	2022	UK	Advance care planning	Patients with incurable oesophageal, gastric, or pancreatic cancer	Feasibility randomised controlled trial to evaluate the feasibility and acceptability of an early ACP intervention in primary care
Currow (16)	2006	Australia	Case conferences and education	Adult patients referred to community PC	Factorial cluster randomised design of three interventions: case conferences, general practitioner education, and patient education
Dierickx (37)	2022	Belgium	Advance care planning	Adult patients with limited life expectancy based on surprise question	Pilot cluster-randomized controlled trial testing a complex ACP intervention in general practice
Enguidanos (31)	2022	USA	Home-based palliative care	Adult patients with advanced disease. Interviews conducted with patients and HCPs	Randomised control trial to evaluate the effectiveness of implementing home-base palliative care versus usual care
Evans (36)	2021	Canada	Education and integrated care	Patients with limited life expectancy based on surprise question	Pilot study involving interprofessional palliative care education and an integrated care model to promote early identification and support
Ewing (32)	2004	UK	Primary care provision in community setting	Patients with palliative illness and a life expectancy less than a year	Interventional study with numerous objectives including provision and palliative care and validation of symptom monitoring
Hermann (29)	2012	Germany	Training	GP and adult patients with a life expectancy less than 6 months	Single-arm interventional study involving 40-hour basic training course in palliative care for GPs
Mitchell (42)	2014	Australia	Case conference	Patients with end stage heart failure or lung disease	Pilot study of case conferences between the patient's GP and specialist staff in a regional health service
Mitchell (41)	2016	Australia	Nurse practitioner led palliative care	Adult patients with limited life expectancy based on surprise question	Pilot study of nurse practitioner-led rural palliative care, including clinical care plans negotiated with involved HCPs including the GP and patient, through a single multidisciplinary case conference
Mitchell (40)	2018	Australia	Palliative care needs assessment	Australian GPs	Randomised control trial comparing SPICT versus GP intuition to predict death in the coming year
Rogers (38)	2019	Australia	Advance care planning	Patients with severe respiratory disease. Interviews with HCPs involved in the intervention	Qualitative study appraising the components of an ACP facilitator randomised control trial comprising nurse-led patient screening and ACP discussions
Schmidt (30)	2021	USA + Canada	Advance care planning	Patients with serious illness or frailty with a life expectancy less than 2 years	Implementation study focusing on use of different strategies to improve recruitment to the intervention
Shipman (39)	2003	UK	GP palliative care facilitator program	Intervention aimed at general practice HCPs. Interviews with HCPs and local stakeholders	Implementation study evaluate the impact of the Macmillan GP Facilitator Programme in palliative care on the knowledge, attitudes and confidence in symptom control of GPs
Sommer (34)	2021	Switzerland	Education	Patients with advanced cancer. Focus groups conducted with HCPs	Pilot study of an intervention to teach primary care HCPs a palliative care approach and communication skills to improve advanced cancer patients' quality of life

HCPs, health care providers; GPs, general practitioners; PC, palliative care; SPICT, Supportive and Palliative Care Indicators Tool; ACP, advance care planning.