

Supplementary Table S2. Primary outcomes, interventions, mechanisms, and results.^a

Outcome	Interventions (with all components listed)	Mechanisms proposed	Result
Dyad congruence	Facilitated discussion, with or without legal document and communication to health provider/medical record (PC-ACP, SPIRIT, FACE)	Intervention tailored to recipient ^{35,36} ; Facilitating understanding about illness, treatment options and shared decision making ³⁶ ; Encouraging active discussions with carers and health providers to promote shared understanding ^{32,36} ; Encouraging the patient to reflect on illness beliefs and values ^{32,35,36} ; Promoting ACP skills and competence ³⁵	Increased for patients with end-stage renal disease, and for patients living with HIV ^{32,35,36} ; Congruence maintained longitudinally for patients living HIV and their family ³²
Place of death	Informational material and facilitated discussion	Facilitating understanding about illness, treatment options and shared decision making; Encouraging the patient to reflect on illness beliefs and values ³⁷	Reduced likelihood of hospital death for patients with advanced cancer ³⁷
Patient activation	Informational material, facilitated discussion, and AD	Meeting social support needs ³⁴	No difference for frail older adults ³⁴
AD completion/DNR documentation	Interactive website, AD form, informational material (PREPARE); ACP education plus facilitated discussion (motivational interviewing); Facilitated discussions with Five Wishes AD and communication of discussion outcomes (FACE)	Intervention tailored to recipient ^{33,39,40} ; Encouraging active discussions with carers and health providers to promote shared understanding ^{31,33,39,40} ; Encouraging the patient to reflect on illness beliefs, preferences, and values ^{31,33,39} ; Recognizing the importance of ACP and decision making ³³ ;	Increased for patients with chronic or serious conditions, and for patients living with HIV ^{31,33,39,40}

		Promoting ACP skills and competence ^{39,40}	
	Interactive website with question prompts and information library, including an AD	Intervention tailored to recipient; Facilitating understanding about illness, treatment options and shared decision making; Encouraging active discussions with carers and health providers to promote shared understanding; Meeting social support needs ⁴¹	No difference for patients with gynecological cancer ⁴¹
	Informational pamphlet and facilitated discussion	Facilitating understanding about illness, treatment options and shared decision making; Encouraging the patient to reflect on illness beliefs and values ³⁷	Earlier timing but no difference in rates for patients with advanced cancer ³⁷
Decisional conflict	Facilitated discussion (PIPAC); Informational pamphlet and facilitated discussion with care plan placed in medical record and communicated to GP	Intervention tailored to recipient ³⁰ ; Facilitating understanding about illness, treatment options and shared decision making ²⁸ ; Encouraging the patient to reflect on illness beliefs and values ³⁰	Reduced for patients with mild dementia ³⁰ and carers of nursing home residents with dementia ²⁸
	Facilitated discussion (PC-ACP);	Intervention tailored to recipient; Encouraging the patient to reflect on illness beliefs and values; Promoting ACP skills and competence ³⁵	No difference for dialysis patients; No difference in surrogate decision-making confidence ³⁵

	Facilitated discussion and communication of discussion outcomes to health provider (SPIRIT)	Intervention tailored to recipient; Facilitating understanding about illness, treatment options and shared decision making; Encouraging active discussions with carers and health providers to promote shared understanding; Encouraging the patient to reflect on illness beliefs and values ³⁶	No difference for patients with end-stage renal disease; Increased surrogate decision making confidence; Increased composite outcome of surrogate decision-making confidence and congruence ³⁶
Content of conversations	Educational workshops, information campaign, question prompts (We DECide optimized)	Recognizing the importance of ACP and decision making; Promoting ACP skills and competence ⁴²	Increased shared decision making in conversations for persons with dementia ⁴²
	Facilitated discussion, question prompts, informational materials, health providers endorsed prompt list	Meeting social support needs; Promoting ACP skills and competence ³⁸	No increase in number of questions asked by patients with advanced cancer; Increase in cues for all topics except future care; Increase in number of questions asked by caregivers ³⁸

Number of conversations/ consultations	Facilitated conversation, AD, communication prompts, and conversation information shared with health provider	Promoting ACP skills and competence ²⁹	Increase in GoC conversations for patients with heart failure ²⁹
	Interactive website, AD form, informational material (PREPARE)	Intervention tailored to recipient ^{39,40} ; Encouraging active discussions with carers and health providers to promote shared understanding ^{39,40} ; Encouraging the patient to reflect on illness beliefs, preferences, and values ³⁹ ;	Increase in documented ACP conversations for patients with chronic, serious conditions; ³⁹
		Promoting ACP skills and competence ^{39,40}	No difference in documented ACP conversations ⁴⁰
	Interactive website with question prompts and information library, including an AD	Intervention tailored to recipient; Facilitating understanding about illness, treatment options and shared decision making; Encouraging active discussions with carers and health providers to promote shared understanding; Meeting social support needs ⁴¹	No difference in consultations with palliative care for patients with gynecological cancer ⁴¹
	Educational workshops for health providers with informational booklet	Promoting ACP skills and competence ⁴³	Increased ACP initiation by GPs for patients with dementia ⁴³
Psychospiritual wellbeing	Facilitated discussion (PIPAC)	Intervention tailored to recipient ³⁰ ; Encouraging the patient to reflect on illness beliefs and values ³⁰	Decrease in depressive symptoms for

			patients with mild dementia; Mixed results depending on instrument and respondent ³⁰
	Facilitated discussion in five stages (PC-ACP)	Intervention tailored to recipient; Encouraging the patient to reflect on illness beliefs and values; Promoting ACP skills and competence ³⁵	No difference for dialysis patients ³⁵
Quality of life	Facilitated discussion (PIPAC)	Intervention tailored to recipient; Encouraging the patient to reflect on illness beliefs and values ³⁰	Mixed results depending on instrument and respondent ³⁰

a. This table reflects mechanisms specified by the authors generally, not linkages to individual components or outcomes