Supplementary 2 Summary of Included Articles

| **No. for Included Articles\*** | **Included Article(Author, Year)** | **Type of Intervention** | **Outcome Category** | **Subdomain** | **Outcomes Variables** | **Name of Measure** **[No. for Original Articles\*]** | **Self-developed(Yes/No)** | **Presented Effects(+/-/NA)** | **Reasonsfor Exclusion from Tables** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | Aslakson et al., 2019 | informatic | A | values & preferences | goals of care | The Iowa Goals of Care Survey [1] | No | NA |  |
| HS | mental health | anxiety, depression | Hospital Anxiety and Depression Scale (HADS) | No | - | HS |
| QOC | satisfaction | perception of ACP video helpfulness | Helpfulness of the Video Survey | No | + | No confirmation |
| **2** | Au et al., 2012 | conversation | A | values & preferences | preferences | Preferences for Dying and Death (PADD) [2] | No | + |  |
| QOC | satisfaction with communication | quality of communication | Quality of Communication (QOC) [3] | No | + |  |
| **3** | Bouleuc et al., 2021 | informatic | HS | mental health | coping style | Brief COPE | No | NA | HS |
| HS | mental health | anxiety, depression | Hospital Anxiety and Depression Scale (HADS) | No | - | HS |
| HS | quality of life | quality of life | McGill Quality of Life Questionnaire | No | + | HS |
| QOC | satisfaction with care | satisfaction (care) | European Organization for Research and Treatment of Cancer, In-Patient Satisfaction with Care (EORTC IN-PATSAT32) [4] | No | + | 　 |
| **4** | Briggs et al., 2004 | conversation | A | values & preferences | preferences | Treatment Decision-making Role Preference [5] | No | NA | 　 |
| P | behavior change | knowledge (ACP) | ACP Knowledge | Yes | - | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | + | 　 |
| QOC | satisfaction with communication | quality of communication | Quality of Communication (QOC) [3] | No | + | 　 |
| QOC | congruence | congruence  | Statement of Treatment Preferences (STP) [7] | Y/P | + | No confirmation |
| **5** | Chan & Yu, 2021 | conversation | A | values & preferences | preferences (EOL) | End-of-Life Preferences | Yes | - | 　 |
| **6** | Chan et al., 2018 | mixed | QOC | satisfaction with decision-making | decisional conflict | SURE Test (Sure of myself; Understand information; Risk-benefit ratio; Encouragement) [8] | No | + | 　 |
| QOC | congruence | congruence  | Life-Support Preferences Questionnaire (LSPQ) [9] | No | + | 　 |
| **7** | Chan et al., 2010 | conversation | A | values & preferences | preferences (EOL) | End-of-Life Care Preferences | Yes | + | 　 |
| HS | quality of life | quality of life | Modified QOL in the EOL Questionnaire (mQOLC-E) | No | + | HS |
| **8** | Chiu wu et al., 2020 | mixed | A | values & preferences | preferences (ACP) | Preference for Advance Directives | Yes | NA | 　 |
| P | behavior change | attitude | Attitudes toward ACP  | Yes | 　 | 　 |
| P | behavior change | intention (behavioral) | Behavioral Intention | Yes | + | 　 |
| P | behavior change | knowledge (CPR) | CPR-related Knowledge | Yes | + | 　 |
| P | behavior change | self-efficacy | Perceived Behavioral Control of ACP | Yes | + | 　 |
| P | behavior change | subjective norms | Subjective Norms of ACP | Yes | + | 　 |
| **9** | Deng et al., 2020 | conversation | HS | quality of life | quality of life | Modified QOL in the EOL Questionnaire (mQOLC-E) | No | + | HS |
| QOC | satisfaction with decision-making | decisional conflict | SURE Test (Sure of myself; Understand information; Risk-benefit ratio; Encouragement) [8] | No | + | 　 |
| **10** | Ditto et al., 2001 | mixed | QOC | congruence | congruence | Life-Support Preferences Questionnaire (LSPQ) [9] | No | - | 　 |
| **11** | El-Jawahri et al., 2010 | informatic | A | values & preferences | goals of care preferences (CPR)  | Goals-of-Care, CPR Preference | Yes | + | No information |
| P | behavior change | knowledge | Knowledge Assessment | Yes | + | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | + | 　 |
| **12** | Epstein et al., 2018 | mixed | HS | mental health | distress | Distress Thermometer | No | - | HS |
| HS | quality of life | well-being | Functional Assessment of Chronic Illness Therapy Spiritual Well-being (FACIT-Sp)  | No | - | HS |
| HS | mental health | anxiety | Generalized Anxiety Disorder (GAD-7) | No | - | HS |
| HS | mental health | depression | Patient Health Questionnaire-9 (PHQ-9) | No | - | HS |
| HS | quality of life/ mental health | peace, depression, quality of life | Peace, Equanimity, and Acceptance in the Cancer Experience (PEACE) Scale | No | - | HS |
| HS | mental health | stress (perceived) | Perceived Stress Scale | No | - | HS |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | - | 　 |
| QOC | satisfaction with care | satisfaction (treatment) | Functional Assessment of Chronic Illness Therapy Treatment Satisfaction General (FACIT-TS-G) [10] | No | - | 　 |
| **13** | Green et al., 2018 | mixed | QOC | congruence | concordance | Patient-Family Concordance (a modified form of the Patient-ALS Team Concordance) [11] | No | + | 　 |
| **14** | Grimaldo et al., 2001 | mixed | QOC | satisfaction with communication | quality of communication | Quality of Communication (QOC) [3] | No | - | 　 |
| QOC | satisfaction with communication | discussion about EOL care between patient and proxies | Quality of Patient-Clinician Communication about End-of-Life Care [12] | No | + | 　 |
| **15** | Gutheil et al., 2005 | mixed | P | behavior change | attitude | Advance Directive Attitude Survey (ADAS) [13] | No | - | 　 |
| P | behavior change | self-efficacy | Comfort with Discussing Advance Planning [14] | Y/P | - | 　 |
| P | behavior change | knowledge (agents’ roles & responsibilities) | Health Care Proxy Role and Responsibilities Test [15] | No | + | No confirmation |
| P | behavior change | knowledge (health care proxy form) | Knowledge about the Health Care Proxy Form [14] | Y/P | + | No confirmation |
| QOC | congruence | dyad communication (case vignettes) | Agreement between the Dyad [16] | No | + |  |
| **16** | Heyman et al., 2010 | mixed | HS | mental health | fatalism | Fatalism Scale | No | - | HS |
| HS | mental health | faith | Religious Commitment Scale  | No | + | HS |
| P | behavior change | attitude | Advance Directive Attitude Survey (ADAS) [13] | No | + | 　 |
| P | behavior change | self-efficacy | Comfort Scale with Discussing Advance Planning [17] | No | + | No confirmation |
| P | behavior change | autonomy  | The Importance of Autonomy [18] | No | - | No confirmation |
| **17** | Hilgeman et al., 2018 | mixed | HS | quality of life | health status | Health Survey, 12-item Short-Form (SF-12) | No | NA | HS |
| QOC | satisfaction with care | satisfaction | Client Satisfaction Questionnaire 8 (CSQ-8) [19] | No | - | 　 |
| **18** | Hinderer et al., 2019 | mixed | P | behavior change | attitude | Advance Directive Attitude Survey (ADAS) [13] | No | + | 　 |
| P/A | behavior change/values & preferences | experiences (AD/ACP) | Advance Directives Questionnaire (ADQ) [20]  | Y/P | NA | 　 |
| **19** | Holland et al., 2017 | conversation | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 49-item [21] | No | NA | 　 |
| QOC | satisfaction | satisfaction (ACP) | Patient Satisfaction with ACP Decision Aids | Yes | NA | No information |
| **20** | Hossler et al., 2011 | informatic | P | behavior change | self-efficacy | Self-determination | Yes |  - | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | NA | 　 |
| QOC | satisfaction | satisfaction (ACP) | Satisfaction with ACP | Yes | NA | No information |
| QOC | satisfaction with decision-making | satisfaction (decision) | Satisfaction with Decision Scale (SWD) [22] | No | NA | 　 |
| **21** | Houben et al., 2019 | mixed | HS | mental health | anxiety, depression | Hospital Anxiety and Depression Scale (HADS) | No | + | HS |
| QOC | satisfaction with communication | quality of communication | Quality of Communication (QOC) [3] | No | + | 　 |
| **22** | Howard et al., 2020 | informatic | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 55-item [23] | No | - | 　 |
| **23** | Howard et al., 2022 | mixed | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 15-item [23] | No | - | 　 |
| **24** | Jo et al., 2021 | mixed | QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS, Korean) [24] | No | - | 　 |
| QOC | congruence | congruence | Life-Support Preferences Questionnaire (LSPQ) [9] | No | - | 　 |
| **25** | Johns, 2020 | mixed | HS | mental health | coping style | Brief COPE | No | + | HS |
| HS | mental health | fatigue | Fatigue Symptom Inventory (FSI) | No | - | HS |
| HS | mental health | anxiety | Generalized Anxiety Disorder (GAD-7) | No | + | HS |
| HS | quality of life | quality of life | McGill Quality of Life Questionnaire | No | + | HS |
| HS | mental health | coping style | Mini-Mental Adjustment to Cancer Scale (Mini-MAC) | No | - | HS |
| HS | mental health | depression | Patient Health Questionnaire-8 (PHQ-8) | No | + | HS |
| HS | mental health | sleep disturbance | Pittsburgh Sleep Quality Index (PSQI) | No | + | HS |
| P | behavior change | readiness (family communication) | Openness to Discuss Cancer in the Nuclear Family Scale (ODCNF) [25] | No | - | 　 |
| P | behavior change | ACP behavior | Stage of Change for ACP Behaviors [26] | No | + | 　 |
| **26** | Jones et al., 2011 | conversation | HS | mental health | anxiety , depression | Hospital Anxiety and Depression Scale (HADS) | No | - | HS |
| QOC | satisfaction with communication | degree to which participants had discussed end-of-life planning | Discussion with Professionals, Family, and Friends | Yes | - | 　 |
| QOC | satisfaction with communication | happiness with communication | Happiness with the Level of Communication with Health Professionals and Family or Friends | Yes | - | No information |
| QOC | satisfaction with care | satisfaction (healthcare) | Satisfaction with Healthcare | Yes | - | No information |
| **27** | Ke et al., 2020 | mixed | QOC | congruence | congruence | Life-Support Preferences Questionnaire (LSPQ) [9] | No | - | 　 |
| **28** | Ke et al., 2021 | mixed | P | behavior change | ACP behavior | Stage of Change for ACP Behaviors [26] | No | - | 　 |
| P | behavior change | knowledge  | Understanding of Related Terms  | Yes |  - | 　 |
| QOC | congruence | congruence | Life-Support Preferences Questionnaire (LSPQ) [9] | No | + | 　 |
| **29** | Kirchhoff et al. 2012 | conversation | A | values & preferences | preferences | Statement of Treatment Preferences (STP) [7] | No | NA | No confirmation |
| **30** | Kizawa et al., 2020 | informatic | A | values & preferences | preferences (goals of care, CPR) | CPR/Goal of Care Preferences | Yes | - | 　 |
| P | behavior change | knowledge (CPR) | Knowledge of CPR [27] | No | - | 　 |
| P | behavior change | readiness | Readiness for Advance Care Planning | Yes | - | 　 |
| **31** | Korfage et al., 2020 | mixed | HS | mental health | coping style | Brief COPE, COPE | No | - | HS |
| HS | mental health | emotional functioning | EORTC EF10 (European Organization for Research and Treatment of Cancer, Emotional Function) | No | - | HS |
| HS | quality of life/mental health | quality of life | EORTC QLQ-C15-PAL (European Organization for Research and Treatment of Cancer, Quality of Life in Palliative Cancer Care Patients)  | No | - | HS |
| P | behavior change | Self-efficacy | Decision-making Participation Self-efficacy (DEPS) Scale [28] | No | - | 　 |
| QOC | satisfaction with care | satisfaction (care) | EORTC IN-PATSAT32 (European Organization for Research and Treatment of Cancer, In-Patient Satisfaction with Care) [4] | No | - | 　 |
| QOC | satisfaction | satisfaction (ACP) | Satisfaction with ACP | Yes | NA | No information |
| **32** | Leighl, et al., 2011 | informatic | A | values & preferences | preferences (information) | Cassileth Information Styles Scale [29] | No | NA | 　 |
| A | values & preferences | decision leaning | Patient Decision Aids | Yes | NA | No confirmation |
| HS | quality of life | quality of life | FACT-G. Physical, Emotional, and Functional Well-being Subscales | No | NA | HS |
| HS | mental health | anxiety | State-Trait Anxiety Inventory (STAI)  | No | NA | HS |
| P | behavior change | patient decision control preference | Control Preferences Scale [30] | No | NA | 　 |
| P | behavior change | knowledge/readiness | Patient Understanding | Yes | + | No information |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | NA | 　 |
| QOC | satisfaction | satisfaction (consultation)  | Satisfaction with Consultation [31, 32] | No | NA | No confirmation |
| QOC | satisfaction with decision-making | satisfaction (decision) | Satisfaction with Decision Scale (SWD) [22] | No | NA | 　 |
| **33** | Lin, 2021 | informatic | P | behavior change | knowledge (ACP) | ACP Knowledge | Yes | + | 　 |
| P | behavior change | intention (behavioral) | Behavioral Intention | Yes | + | 　 |
| **34** | Lum et al., 2018 | informatic | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 82-item [23] | No | + | 　 |
| **35** | Lum et al., 2020 | mixed | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 4-item [23] | No | + | 　 |
| **36** | Lupu et al., 2022 | mixed | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 9-item [23] | No | + | 　 |
| **37** | Maldonado et al., 2019 | conversation | P | behavior change | knowledge (AD) | Five Wishes [33] | No | NA | No information |
| **38** | Matlock et al., 2014 | mixed | P | behavior change | knowledge | Knowledge | Yes | - | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | - | 　 |
| **39** | Murphy et al., 2000 | informatic | P | behavior change | attitude (AD) | Attitude Test | Yes | - | 　 |
| P | behavior change | knowledge (AD) | Knowledge Test | Yes | + | 　 |
| **40** | Nair et al., 2019 | informatic | P | behavior change | knowledge | Patient ACP Knowledge Quiz | Yes | + | 　 |
| QOC | Satisfaction with decision-making | decisional conflict | SURE Test [8, 34] | No | + | 　 |
| QOC | satisfaction with care | satisfaction (care) | Canadian Health Care Evaluation Project Questionnaire (CANHELP) [35, 36] | No | + | 　 |
| **41** | Nedjat-Haiem et al., 2019 | mixed | P | behavior change | barriers to ACP | Navigational Barriers to ACP Communication | Yes | + | 　 |
| P | behavior change  | readiness | Readiness to Engage in ACP Discussion | Yes | + | 　 |
| **42** | O'Halloran, et al., 2020 | conversation | HS | mental health | distress (degree of anxiety, depression, well-being, functioning and risk) | Clinical Outcomes in Routine Evaluation Measure (CORE 34) | No | - | HS |
| HS | quality of life | quality of life | Kidney Disease Quality of Life instrument (KDQOL-36) | No | + | HS |
| QOC | satisfaction with decision-making | degree of sharing | Patient Experience of Shared Decision Making (SHARED) Questionnarie [37]  | No | - | 　 |
| **43** | Okada et al., 2022 | conversation | HS | quality of life | quality of life | Comprehensive Quality of Life Outcome (CoQoLo)  | No | + | HS |
| P | behavior change | knowledge (ACP) | Knowledge about ACP | Yes | - | 　 |
| P/A | behavior change/values & preferences | engagement  | ACP Engagement Survey, 15-item (Japanese) [38] | Y/P | + | 　 |
| **44** | Overbeek et al., 2018 | mixed | HS | quality of life | health status | Health Survey, 12-item Short-Form (SF-12) | No | - | HS |
| P | behavior change | knowledge, skills, and confidence (to manage healthcare) | Patient Activation Measure (PAM) [39] | No | - | 　 |
| QOC | satisfaction with care | satisfaction (healthcare) | Patient Satisfaction Questionnaire (PSQ-18) [40] | No | - | 　 |
| **45** | Pajka et al., 2021 | conversation | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 4-item [23] | No | + | 　 |
| **46** | Pearlman et al., 2005 | mixed | A | values & preferences | preferences (LST) | Your Life, Your Choices [41, 42] | Y/P | + | No confirmation |
| **47** | Ping et al., 2021 | informatic | P | behavior change | attitude | Advance Directive Attitude Survey (ADAS) [13, 43] | No | + | 　 |
| P | behavior change | knowledge (AD) | Advance Directive Knowledge Survey (ADKS) [44] | No | + | 　 |
| **48** | Prentice & Lawson, 2021 | mixed | A | values & preferences | preferences | Where I Stand Scale [45] | No | NA | No confirmation |
| P | behavior change | attitude | Advance Directive Attitude Survey (ADAS) [13] | No | - | 　 |
| **49** | Rabow et al., 2019 | mixed | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 4-item [23] | No | + | 　 |
| **50** | Radwany et al., 2014 | conversation | HS | mental health | mood | Hospital Anxiety and Depression Scale (HADS) | No | NA | HS |
| HS | quality of life | spirituality | Meaning in Life Scale | No | NA | HS |
| HS | quality of life | symptom management | Memorial Symptom Assessment Scale | No | NA | HS |
| HS | quality of life | quality of life | Quality of Life at the End of Life (QAUL-E) | No | NA | HS |
| **51** | Reinke et al., 2011 | informatic | P | behavior change | knowledge and attitude | Knowledge and Attitudes Regarding End-of-Life Issues | Yes | NA | No information |
| **52** | Schwartz et al., 2002 | mixed | A | values & preferences | preferences (treatment) | Emanuel and Emanuel Medical Directives [46]  | No | + | 　 |
| HS | quality of life | quality of life | Beliefs and Values Questionnaire | No | + | HS |
| P | behavior change | knowledge (AD) | The Knowledge Questionnaire [7] | Yes | + | No confirmation |
| **53** | Shuji et al., 2019 | mixed | P | behavior change | beliefs and attitudes about ACP | Beliefs and Attitudes about ACP | Yes | NA | No information |
| **54** | Skorstengaard et al., 2019 | conversation | HS | quality of life/mental health | quality of life | EORTC QLQ-C15-PAL (European Organization for Research and Treatment of Cancer, Quality of Life in Palliative Cancer Care Patients) | No | - | HS |
| HS | mental health | anxiety, depression | Symptom Checklist (SCL-92) | No | - | HS |
| QOC | satisfaction with care | satisfaction (healthcare) | FAMCARE-Patient Scale [47, 48] | No | - | 　 |
| **55** | Song et al., 2005 | conversation | HS | mental health | anxiety | State Anxiety Inventory (SAI)  | No | - | HS |
| P | behavior change | knowledge (ACP) | Knowledge of ACP | Yes | - | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | + | 　 |
| QOC | congruence | congruence  | Statement of Treatment Preferences (STP) [7] | No | + | No confirmation |
| **56** | Song et al., 2009 | conversation | HS | quality of life | spiritual well-being | Self-Perception and Relationship Tool (S-PRT) | No | - | HS |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS), 13-item [49] | No | - | 　 |
| QOC | congruence | congruence | Goals-of-Care Document | Yes | + | 　 |
| QOC | satisfaction with communication | quality of patient-clinician communication about EOL care | Quality of Communication (QOC) [3] | No | + | 　 |
| **57** | Song et al., 2010 | conversation | HS | quality of life | spiritual well-being | Self-Perception and Relationship Tool (S-PRT) | No | - | HS |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS), 13-item [49] | No | - | 　 |
| QOC | satisfaction with communication | specific clinician behaviors indicative of quality interactions | Patient-Clinician Interaction Index [50] | No | - | 　 |
| QOC | satisfaction with communication | quality of communication | Quality of Communication (QOC) [3] | No | + | 　 |
| QOC | congruence | congruence  | Statement of Treatment Preferences (STP) [7] | No | + | No confirmation |
| **58** | Song et al., 2015 | conversation | HS | mental health | anxiety, depression | Hospital Anxiety and Depression Scale (HADS) | No | - | HS |
| HS | mental health | intensity of posttraumatic distress symptoms | Post Traumatic Symptoms Scale 10 (PTSS-10) | No | - | HS |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS), 13-item [49] | No | + | 　 |
| QOC | congruence | congruence  | Goals-of-Care Document [51] | Y/P | - | 　 |
| **59** | Sudore et al., 2018 | informatic | HS | mental health | anxiety | Generalized Anxiety Disorder (GAD-7) | No | - | HS |
| HS | mental health | depression | Patient Health Questionnaire-8 (PHQ-8) | No | - | HS |
| P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 82-item [23] | Y/P | + | 　 |
| QOC | satisfaction | satisfaction with the guide  | Satisfaction with the Guide (the PREPARE website: comfort viewing, helpfulness, recommendation) [52] | Y/P | - | No confirmation |
| **60** | Sudore et al., 2014 | informatic | P | behavior change | attitude | Decisional Balance, Beliefs, Processes of Change Survey in ACP [53] | No | + | 　 |
| P | behavior change | ACP behavior | Stage of Change for ACP Behaviors [26] | No | NA | 　 |
| P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 49-item [21] | Y/P | - | 　 |
| QOC | satisfaction | satisfaction | Participants' Experiences using PREPARE [54] | Yes | NA | 　 |
| **61** | Sung et al., 2019 | mixed | P | behavior change | attitude | The Attitude Scale [55] | No | + | No confirmation |
| P | behavior change | knowledge | The Knowledge Scale [55] | No | + | No confirmation |
| P | behavior change | knowledge | Understanding about DNR Orders and Palliative Care [55] | Yes | + | No confirmation |
| P | behavior change | self-efficacy | Willingness to Sign a DNR Order and to Receive Palliative Care at the End-of-Life | Yes | + | No information |
| **62** | Tang et al., 2019 | mixed | A | values & preferences | preferences (LST) | Interview Questions Regarding Preferences for Life-Sustaining Treatments | Yes | - | 　 |
| HS | mental health | anxiety, depression | Hospital Anxiety and Depression Scale (HADS) | No | + | HS |
| HS | quality of life | quality of life | McGill Quality of Life Questionnaire | No | - | HS |
| **63** | Tay et al., 2020 | conversation | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 4-item [23] | No | - | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | + | 　 |
| QOC | satisfaction with communication | perceptions of collaboration | Perceptions of Collaboration Questionnaire (PCQ) [56] | No | - | 　 |
| QOC | congruence | congruence  | Preferences for End-of-Life Care [57] | No | + | 　 |
| **64** | van Scoy et al., 2020 | conversation | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 34-item [23] | No | + | 　 |
| QOC | satisfaction with communication | satisfaction (conversation) | Conversation Realism [58] | No | NA | 　 |
| QOC | satisfaction with communication | satisfaction (conversation) | Game Conversation Satisfaction (original: Interpersonal Communication Satisfaction Inventory) [59] | No | NA | 　 |
| QOC | satisfaction | intervention endorsement | Net Promoter Score (NPS) [60] | No | NA | 　 |
| **65** | Vogel et al., 2013 | informatic | P | behavior change | ACP behavior | Stage of Change Questionnaire [61] | No | - | 　 |
| QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | NA | 　 |
| **66** | Volandes et al., 2010 | informatic | QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | NA | 　 |
| **67** | Volandes et al., 2012 | informatic | A | values & preferences | preferences (goals of care)  | Preference for Goal-of-Care  | Yes | + | 　 |
| P | behavior change | knowledge | Knowledge Assessment [62] | No | + | 　 |
| **68** | Volandes et al., 2009 | informatic | A | values & preferences | preferences (goals of care) | Preference for Goal-of-Care  | Yes | - | 　 |
| **69** | Volandes et al., 2013 | informatic | A | values & preferences | preferences (CPR) | CPR Preference | Yes | + | 　 |
| P | behavior change | knowledge (CPR) | Knowledge Assessment [62] | No | + | 　 |
| **70** | Waters et al., 2000 | informatic | P | behavior change | knowledge and attitude (AD)  | Advance Directives Knowledge & Attitudes | Yes | + | 　 |
| **71** | Wilson et al., 2005 | informatic | QOC | satisfaction with decision-making | decisional conflict | Decisional Conflict Scale (DCS) [6] | No | + | 　 |
| **72** | Wolff et al., 2021 | mixed | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 15-item [23] | No | NA | 　 |
| **73** | Zapata et al., 2018 | mixed | P/A | behavior change/values & preferences | engagement | ACP Engagement Survey, 15-item [23] | No | + | 　 |
| **74** | Kang & Kim, 2020 | informatic | P | behavior change | attitude | Advance Directive Attitude Survey (ADAS) [13, 63] | No | + | 　 |
| P | behavior change | readiness (intention) | Intention for Advance Directives [64] | No | + | 　 |
| P | behavior change | knowledge (AD) | Knowledge about Advance Directives [13, 63] | No | + | 　 |

 *Notes:* A=Action; ACP=Advance Care Planning; HS=Health Status; NA=Not Applicable; P=Process; QOC=Quality of Care; Y/P=Yes(Self-developed) in a previous study; No confirmation= References for the measurement was providied, while information about the measurement could not be confirmed; No information= References for the measurement was not provided.

\* The lists of Included Articles [IA] and Original Articles [OA] are provided in the following section and are also shown in Table 1.

**Lists of References for Included Articles [IA]**

1. Aslakson, R.A., et al., Integrating Advance Care Planning Videos into Surgical Oncologic Care: A Randomized Clinical Trial. J Palliat Med, 2019. 22(7): p. 764-772.

2. Au, D.H., et al., A randomized trial to improve communication about end-of-life care among patients with COPD. Chest, 2012. 141(3): p. 726-735.

3. Bouleuc, C., et al., A Question Prompt List for Advanced Cancer Patients Promoting Advance Care Planning: A French Randomized Trial. Journal of Pain and Symptom Management, 2021. 61(2): p. 331-341.e8.

4. Briggs, L.A., et al., Patient-centered advance care planning in special patient populations: a pilot study. Journal of Professional Nursing, 2004. 20(1): p. 47-58.

5. Chan, W.C.H. and T.K. Yu, Conducting an advance care planning group among older adults living in residential care homes: An initiative of social workers in Hong Kong. Health & Social Care in the Community, 2021. 29(6): p. 1960-1970.

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