Supplementary 1 An example of search strategies utilizing keywords and MeSH terms on PubMed

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| Search | Search keyword(s) | No. of Articles |
| #1 | "Middle Aged"[Mesh] OR "Middle Aged"[TW] OR "Middle Age"[TW]\* | 4,701,749 |
| #2 | "Aged"[Mesh] | 3,401,567 |
| #3 | "Aging"[TW] OR "Aged"[TW] OR "Elderly"[TW] OR "old adult"[TW] OR "old adults"[TW] OR "old person"[TW] OR "old people"[TW] | 6,096,003 |
| #4 | "Aged, 80 and over"[Mesh] | 1,006,693 |
| #5 | "Aged, 80 and over"[TW] OR "Oldest Old"[TW] OR "Nonagenarians"[TW] OR "Nonagenarian"[TW] OR "Octogenarians"[TW] OR "Octogenarian"[TW] OR "Centenarians"[TW] OR "Centenarian"[TW] | 1,009,002 |
| #6 | "Frail Elderly"[Mesh] | 13,950 |
| #7 | "Frail Elderly"[TW] OR "Elderly, Frail"[TW] OR "Frail Elders"[TW] OR "Elder, Frail"[TW] OR "Elders, Frail"[TW] OR "Frail Elder"[TW] OR "Functionally-Impaired Elderly"[TW] OR "Elderly, Functionally-Impaired"[TW] OR "Functionally Impaired Elderly"[TW] OR "Frail Older Adults"[TW] OR "Adult, Frail Older"[TW] OR "Adults, Frail Older"[TW] OR "Frail Older Adult"[TW] OR "Older Adult, Frail"[TW] OR "Older Adults, Frail"[TW] | 16,625 |
| #8 Combine | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 | 6,098,689 |
| #9 | "Advance Care Planning"[Mesh] | 10,733 |
| #10 | "Advance Care Planning"[TW] OR "Advance Health Care Planning"[TW] OR "Advance Medical Planning"[TW] OR "Medical Planning, Advance"[TW] OR "Planning, Advance Medical"[TW] OR "ACP"[TW] OR "ACP communication"[TW] OR "ACP intervention"[TW] OR "Advance Care Planning program"[TW] OR "Advance Care Planning intervention"[TW] OR "Advance Care Planning discussions"[TW] OR "End of life communication"[TW] OR "End of life conversation"[TW] OR "Communication about the end-of-life"[TW] | 15,286 |
| #11 | "Advance Directives"[Mesh] | 7,605 |
| #12 | "Advance Directives"[TW] OR "Advance Directive"[TW] OR "Directive, Advance"[TW] OR "Directives, Advance"[TW] OR "Medical Power of Attorney"[TW] OR "Attorney Medical Power"[TW] OR "Psychiatric Wills"[TW] OR "Psychiatric Will"[TW] OR "Will, Psychiatric"[TW] OR "Wills, Psychiatric"[TW] OR "Ulysses Contracts"[TW] OR "Contract, Ulysses"[TW] OR "Contracts, Ulysses"[TW] OR "Ulysses Contract"[TW] OR "Health Care Power of Attorney"[TW] OR "Healthcare Power of Attorney"[TW] OR "Attorney Healthcare Power"[TW] OR "Advance care directives"[TW] OR "advance health care directive"[TW] OR "advance healthcare directive"[TW] OR "living wills"[TW] OR "personal directive"[TW] OR "medical directive"[TW] OR "advance decision"[TW] | 9,663 |
| #13 | "Terminal Care"[Mesh] | 55,485 |
| #14 | "Terminal Care"[TW] OR "Care, Terminal"[TW] OR "End of Life Care"[TW] OR "Care End, Life"[TW] OR "Care Ends, Life"[TW] OR "Life Care End"[TW] OR "Life Care Ends"[TW] OR "End-of-life care"[TW] OR "EOL care"[TW] | 37,234 |
| #15 Combine | #9 OR #10 OR #11 OR #12 OR #13 OR #14 | 77,718 |
| #16 Combine | #8 AND #15 | 21,287 |
| #17 Limit | #16 AND Filters: from 2018/1/1 - 2022/02/28 | 4,630 |
| #18 Limit | NOT (“delphi-technique”[ti] OR” cross-sectional”[ti] OR "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference, nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms]) | 4,137 |

*Note*. The information presented here is based on a search conducted on June 13, 2022.

\* Based on a preliminary search, to prevent important papers from being excluded during the search process, we included ages starting from middle age, and during the review process, we excluded papers that did not include individuals aged 65 and older.