Supplementary table 1. Search terms and strategies

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| **Strategies** | **Concepts** | **Searching terms\*** |
| #1 | Suicide | Self-Injurious Behavior[mh] OR suicid\*[tiab] OR parasuicid\*[tiab] OR wish to die[tiab] OR self injur\*[tiab] OR self harm\*[tiab] OR self destruct\*[tiab] |
| #2 | Elderly | elderly[tiab] OR elder\*[tiab] OR senior\*[tiab] OR older adult\*[tiab] OR older person\*[tiab] OR old person\*[tiab] OR older population[tiab] OR old population[tiab] OR old people[tiab] OR older people[tiab] OR very old[tiab] OR oldest old[tiab] OR aged 65 and over[tiab] OR aged 60 and over[tiab] OR aged 80 and over[tiab] OR aged 80 years and over[tiab] OR centenarian\*[tiab] OR nonagenarian\*[tiab] OR octogenarian\*[tiab] OR geriatric\*[tiab] OR late-life[tiab] OR retire\*[tiab] OR aging[tiab] OR ageing[tiab] OR nursing home\*[tiab] OR long-term care[mh] |
| #3-1 | Perceive control | "Self Concept"[tiab] OR "Self Efficacy"[tiab] OR "self-esteem"[tiab] OR "self worth"[tiab] OR "self evaluation\*"[tiab] OR "self attitude\*"[tiab] OR "self liking"[tiab] OR "self competen\*"[tiab] OR "self perception\*"[tiab] OR "self identit\*"[tiab] OR "self acceptance"[tiab] OR "Self Concept"[mh] OR "Self Efficacy"[mh] OR positive self image[tiab] OR self-awareness [tiab] OR belief in self [tiab] OR self-reliance [tiab] OR "locus of control" [tiab] |
| #3-2 | Sense of  belonging | "sense of belonging"[tiab] OR belong\*[tiab] |
| #3-3 | Mattering | "mattering"[tiab] OR "role-based purpose and meaning"[tiab] OR Role satisfaction [tiab] |
| #3-4 | Well-being | well-being[tiab] OR wellbeing[tiab] OR wellness[tiab] OR psychological well-being[tiab] OR healthy lifestyle\*[tiab] OR QoL[tiab] OR Quality of life[tiab] OR life quality[tiab] OR Quality of life[mh] |
| #3-5 | Life satisfaction | life satisfaction[tiab] OR personal satisfaction[tiab] OR satisfaction with life[tiab] OR personal satisfaction[mh] OR happi\*[tiab] OR happy[tiab] OR happiness[mh] OR contentment[tiab] |
| #3-6 | Purpose in life | meaning of life[tiab] OR meaning in life[mh] OR purpose in life[tiab] OR purpose of life[mh] OR life purpose[tiab] OR value of life[tiab] OR value of life[mh] OR will to live[tiab] OR reason\* for living[tiab] OR reason\* to live[tiab] OR meaningfull\*[tiab] OR sense of pupose [tiab] OR goal\* [tiab] OR aspiration\* [tiab] |
| #3-7 | Problem solving skills | Problem Solving[mh] OR "Problem solving"[tiab] OR "Problem focused coping"[tiab] OR "problem solving skill"[tiab] OR "problem solving skills"[tiab] OR problem solving strateg\*[tiab] OR coping strateg\*[tiab] or coping skill\*[tiab] or coping mechanism\*[tiab] OR positive coping [tiab] |
| #3-8 | Religiosity | "religion"[mh] OR "spiritualism"[mh] OR "spirituality"[mh] OR "Religious attendance"[tiab] OR "Religious beliefs"[tiab] OR "Religious affiliation"[tiab] OR spiritua\*[tiab] OR religio\*[tiab] OR religious participation [tiab] OR intrinsic religio\* [tiab] |
| #3-9 | Resilience | Resilience, Psychological[mh] OR Resiliency[tiab] OR "Psychological resilience"[tiab] OR "Suicide resilience"[tiab] OR resilien\*[tiab] OR grit [tiab] |
| #3-10 | Positive relationship | positive relationship\*[tiab] OR positive relation\*[tiab] OR interpersonal relationship\*[tiab] OR intimate relationship [tiab] OR confidant[tiab] OR quality of relation\*[tiab] OR friendship\*[tiab] OR satisfaction with relationship\*[tiab] OR relationship satisfaction[tiab] OR healthy relation\*[tiab] OR trust\*[tiab] OR supportive relationship [tiab] OR confiding [tiab] reciprocity [tiab] OR reciprocal relationship [tiab] |
| #3-11 | Social support | Social support[mh] OR social support[tiab] family support [tiab] OR support from famil\*[tiab] OR peer support [tiab] OR support from peer\*[tiab] OR friend support [tiab] OR support from friend\*[tiab] OR neigbourhood support [tiab] OR support from neighbourhood\*[tiab] OR support group\*[tiab] |
| #3-12 | Social connectedness | Social interaction[mh] OR social connect\*[tiab] OR social network\*[tiab] OR social solidarit\*[tiab] OR connected\*[tiab] OR support network\*[tiab] |
| #3-13 | Social participation | "Social participation"[mh] OR "Social participation"[tiab] OR "Social engagement"[tiab] OR "social citizenship"[tiab] OR "Social activities"[tiab] OR "Social integration"[tiab] OR "Social involvement"[tiab] OR "leisure engagement"[tiab] OR "civic engagement"[tiab] OR "charity work"[tiab] OR "social clubs"[tiab] |
| #3-14 | Self-regulation | Self-control[tiab] OR self-regulation[tiab] OR mindfulness[tiab] OR serenity[tiab] OR peaceful\*[tiab] |
| #3-15 | Hope | hope\*[tiab] OR optimis\*[tiab] |
| #4 | Protective factor | protective factor\*[tiab] |
| #5 |  | #1 AND #2 AND #4 |
| #6 |  | #1 AND #2 AND #3† |

\* The search terms and strategies are the formula for the US National Library of Medicine (PubMed) and adapted to other DBs. The search was conducted on 26 Jan 2023. † Search was applied to from #3-1 to #3-15 separately