Supplementary table 3. Characteristics of included studies

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Intrapersonal** | **Interpersonal** | **Total** \* |
| **Publish year** |  |  |  |
| 2002-2009 | 3 | 4 | 6 |
| 2010-2014 | 4 | 8 | 12 |
| 2015-2019 | 10 | 21 | 27 |
| 2020-2023† | 13 | 16 | 25 |
| Total | 30 | 49 | 70 |
| **Country** ‡ |  |  |  |
| Western countries | 11 | 17 | 25 |
| Non-western countries | 19 | 32 | 45 |
| Total | 30 | 49 | 70 |
| **Study design** |  |  |  |
| C-S | 23 | 43 | 59 |
| Cohort | 5 | 5 | 8 |
| C-C | 2 | 1 | 3 |
| Total | 30 | 49 | 70 |
| **Sample size** |  |  |  |
| <300 | 12 | 12 | 21 |
| ≥300 | 18 | 37 | 49 |
| Total | 30 | 49 | 70 |
| **Representativeness of sample** |  |  |  |
| Representative | 14 | 32 | 41 |
| Convenience sample | 16 | 17 | 29 |
| Total | 30 | 49 | 70 |
| **Measures of protective factors**§ | |  |  |
| Simple measure | 9 | 20 | 29 |
| Scale measure | 31 | 33 | 64 |
| Total | 40 | 55 | 93 |
| **Outcome measures** |  |  |  |
| SI: simple measure∥ | 10 | 30 | 35 |
| SI: scale measure | 17 | 16 | 29 |
| SA | 1 | 1 | 1 |
| SD | 3 | 3 | 5 |
| Total | 31 | 50 | 70 |
| **Significance of association**§ | | | |
| Significant | 29 | 27 | 56 |
| Mixed | 5 | 9 | 14 |
| No association | 6 | 17 | 23 |
| Total | 40 | 53 | 93 |

Note. C-S: Cross-sectional study, C-C: Case-control study, SI: Suicide ideation, SA: Suicide attempt, SD: death by suicide.

\* Total number may differ from the sum of number of studies in intrapersonal and interpersonal factors, when a study is doubly included into both categories.

† Studies were included until 26th January 2023.

‡ Countries are based on the location of survey and studies with Chinese American and Korean American were classified into Western countries.

§The number for measures of protective factors and significance of association are counted based on 93 observations.

∥ Simple measure indicates the way of identification of the factor or suicide is simple, frequently a single item or self-defined with no validation.