

**Supplementary Figure S1**: Kaplan-Meier survival curves of dichotomized individual mental activity with survival. (a) playing mahjong or cards. (b) reading. (c) computer use.

**Supplementary Table S1**: Prevalence and death rate of all 8 combinations of mental activity behaviors.

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| **Mental activity** | **N (%)** | **Death rate** |
| **Reading**  | **Playing mahjong or cards**  | **Computer use** |
| 0 | 0 | 0 | 2674(66.8) | 156/2674=0.058 |
| 1 | 0 | 0 | 347(8.7) | 19/347=0.055 |
| 0 | 1 | 0 | 703(17.6) | 25/703=0.036 |
| 0 | 0 | 1 | 20(0.5) | 1/20=0.050 |
| 1 | 1 | 0 | 195(4.9) | 7/195=0.036 |
| 1 | 0 | 1 | 41(1.0) | 0 |
| 0 | 1 | 1 | 9(0.2) | 0 |
| 1 | 1 | 1 | 14(0.4) | 0 |