

Supplementary Table 1 The main difficulties encountered by medical personnel in conducting cancer popularization.

| Variable | <i>n</i> | Percentage (%) |
|---|-----------------|-----------------------|
| Busy schedules and lack of time | 51 | 73.9 |
| Insufficient support | 46 | 66.7 |
| Lack of direction or strategy | 34 | 49.3 |
| Limited dissemination channels | 33 | 47.8 |
| Inadequate written expression skills | 29 | 42.0 |
| Deficiency in verbal communication skills | 27 | 39.1 |
| Lack of suitable venues | 16 | 23.2 |
| Lack of confidence | 14 | 20.3 |

Supplementary Table 2 Challenges encountered in acquiring knowledge about tumor prevention and treatment.

| Variable | <i>n</i> | Percentage (%) |
|-----------------------------------|-----------------|-----------------------|
| False information | 704 | 67.5 |
| Lack of practical relevance | 604 | 57.9 |
| Lack of interest | 475 | 45.5 |
| Uncertainty about where to obtain | 230 | 22.1 |
| Others | 15 | 1.4 |