

S1 Table. Distribution of patients against psychological hesitation towards periodic GHE due to diseases discovering and perceivably suitable periodic GHE frequency (Data used for Fig.1).

| "DiscDisease" | "SuitFreq" | | |
|---------------|------------|-------|-------|
| | "m6" | "m12" | "m18" |
| "yes" | 990 | 478 | 117 |
| "no" | 248 | 160 | 75 |

S2 Table. Changes in probability of perceivably suitable periodic GHE frequency of those having the last doctor visit 2 years ago (Data used for Fig.2a).

| "DiscDisease" | "SuitFreq" | | |
|---------------|------------|-------|-------|
| | "m6" | "m12" | "m18" |
| "yes" | 0.43 | 0.33 | 0.24 |
| "no" | 0.54 | 0.33 | 0.13 |

S3 Table. Changes in probability of perceivably suitable periodic GHE frequency of those who have hesitation towards GHE due to disease identification (Data used for Fig.2b).

| "SuitFreq" | "RecExam" | | | |
|------------|-----------|---------|-------|-----------|
| | "less12" | "b1224" | "g24" | "unknown" |
| "m6" | 0.589 | 0.432 | 0.432 | 0.394 |
| "m12" | 0.334 | 0.437 | 0.331 | 0.250 |
| "m18" | 0.077 | 0.131 | 0.237 | 0.356 |