**Appendix. Results of statistical analyses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 1A:**  **Omnibus Tests** | | | | |
|  | | **Chi-square** | **df** | **Sig.** |
| Step 1 | Step | 85.665 | 10 | .000 |
| Block | 85.665 | 10 | .000 |
| Model | 85.665 | 10 | .000 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 2A:**  **Hosmer and Lemeshow Test** | | | |
| **Step** | **Chi-square** | **df** | **Sig.** |
| 1 | 12.766 | 8 | .120 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 3A:**  **Cox & Snell R Square and Nagelkerke R Square values** | | | |
| **Step** | **-2 Log likelihood** | **Cox & Snell R Square** | **Nagelkerke R Square** |
|  |  |  |  |
| 1 | 457.984a | .186 | .255 |
| Note: Estimation terminated at iteration number 4 because parameter estimates changed by less than .001. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 4A:**  **Omnibus Tests** | | | | |
|  | | **Chi-square** | **df** | **Sig.** |
| Step 1 | Step | 53.165 | 10 | .000 |
| Block | 53.165 | 10 | .000 |
| Model | 53.165 | 10 | .000 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 5A:**  **Hosmer and Lemeshow Test** | | | |
| **Step** | **Chi-square** | **df** | **Sig.** |
| 1 | 8.062 | 8 | .427 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 6A:**  **Cox & Snell R Square and Nagelkerke R Square values** | | | |
| **Step** | **-2 Log likelihood** | **Cox & Snell R Square** | **Nagelkerke R Square** |
| 1 | 192.002a | .120 | .269 |
| Note: Estimation terminated at iteration number 6 because parameter estimates changed by less than .001. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 7A:**  **Omnibus Tests of Model Coefficients** | | | | |
|  | | **Chi-square** | **df** | **Sig.** |
| Step 1 | Step | 57.709 | 10 | .000 |
| Block | 57.709 | 10 | .000 |
| Model | 57.709 | 10 | .000 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 8A:**  **Hosmer and Lemeshow Test** | | | |
| **Step** | **Chi-square** | **df** | **Sig.** |
| 1 | 11.808 | 8 | .160 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 9A:**  **Cox & Snell R Square and Nagelkerke R Square values** | | | |
| **Step** | **-2 Log likelihood** | **Cox & Snell R Square** | **Nagelkerke R Square** |
| 1 | 173.022a | .129 | .304 |
| Note: Estimation terminated at iteration number 6 because parameter estimates changed by less than .001. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 10A:**  **Overview of all variables included in regression models and their level of significance** | | | |
| **Independent variable** | **Significance\*** | | |
|  | **H1\*\*** | **H2\*\*** | **H3\*\*** |
| “MPs cause cancer.” | .885 | .154 | .300 |
| “MPs cause respiratory diseases.” | .472 | .149 | .020\* |
| “MPs cause intestinal diseases.” | .505 | .214 | .802 |
| “Ingestion of MPs can cause alteration of chromosomes, which leads to infertility.” | .055 | .110 | .959 |
| “MPs in the sea threaten fish stocks.” | .001\* | .190 | .772 |
| “Animals die from the ingestion of MPs.” | .661 | .489 | .817 |
| “Leakage of harmful chemicals from MPs affects the soil.” | .687 | .014\* | .005\* |
| “MPs in soil limit the growth of plants.” | .212 | .171 | .091 |
| Gender | .814 | .104 | .074 |
| Age | .000\* | .414 | .299 |
| \* The variables with a significant prediction power (p < .05) are marked with “\*”.  \*\* H1. Media narratives of MPs influence the awareness of MPs; H2. Media narratives of MPs influence the perceived health risks of MPs; H3. Media narratives of MPs influence the perceived environmental risks of MPs. | | | |