**Supplementary File 4: Multivariable analysis**

Multivariable logistic regression was conducted to identify variables associated with “probable” or “unclear somatization category assignment.

Model variables were identified from the literature (see reference list below) as potentially related to somatization. We suspected these may contribute to clinician judgement of somatization classification. These variables include age (years), sex (male/female), symptom length (under 1-week, 1-week to 1-month, over 1-month), negative diagnostic test count (revealing no abnormalities), prior health care visit count (e.g., emergency department, primary care). Variables were identified through the literature and empirical knowledge. The binary outcome variable of this analysis was operationalized as “somatization unlikely” (outcome absent) and “somatization possible or probable” (outcome present).

The table below summarizes crude and adjusted odds ratios (with 95% confidence intervals) for probable or unclear somatization in relation to different patient and visit characteristics.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Covariate  | Unadjusted  | Adjusteda |
|  | Sex, female  | 0.91 (0.38-2.15) | 0.89 (0.31-2.55) |
|  | Age | 1.09 (0.95-1.23) | 1.07 (0.91-1.26) |
|  | Prior health care visits, yes  | 1.26 (0.46-3.49) | 0.40 (0.09-1.64) |
|  | Symptom duration |  |  |
|  |  < 1-week | Ref | Ref |
|  |  >1-week to <1-month | 2.15 (0.62-7.48) | 1.68 (0.32-8.87) |
|  |  **> 1-month** | **6.00 (1.78-20.27)** | **10.46 (2.36-46.45)** |
|  | Number of diagnostic tests |  |  |
|  |  0 | Ref | Ref |
|  |  1 | 2.58 (0.80-8.30) | 2.14 (0.59-7.71) |
|  |  **>1** | **16.69 (4.74-58.71)** | **20.94 (5.07-86.43)** |

a Logistic regression analysis included all covariates listed in column 1

References:

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Hatcher S, Arroll B. Assessment and management of medically unexplained symptoms. *BMJ*. 2008;336(7653):1124-1128. doi:10.1136/bmj.39554.592014.BE