Supplementary Table 1: Estimated regression coefficients and the 95% confidence intervals (CIs) in main population (including Fukuoka, Hyogo, Fukui, Kyoto, Mie, Nagasaki and Shiga prefectures), stratified by job categories.

|                      | Employee | Part-time worker | Self-employed | Student | Unemployed |
|----------------------|----------|------------------|---------------|---------|------------|
|                      | Estimate | p-value          | Estimate      | p-value | Estimate   | p-value   | Estimate   | p-value   | Estimate   | p-value   |
| Intercept            | 18.617   | <0.001           | 26.494        | <0.001  | 13.244     | 0.003     | 29.188     | <0.001   | 21.894     | <0.001   |
| (14.869, 22.364)     |          |                  | (19.618, 33.369) |        | (4.601, 21.886) |          | (18.592, 39.783) |          | (14.675, 29.113) |          |
| Age                  | 0.005    | -0.008           | 0.096         | -0.011  | 0.057      | 0.018     | 0.045      | -0.008   | -0.001     | 0.065    |
| (0.001, 0.010)       | (-0.018, 0.001) |                  | (-0.023, 0.000) |        | (-0.008, 0.082) |          | (-0.016, 0.000) |          |          |
| Gender (Female)      | -0.574   | -0.32            | 0.141         | -0.725  | -0.446     | 0.009     | -0.307     | 0.081    |
| (-0.681, -0.466)     | (-0.746, 0.106) |                  | (-0.982, -0.468) |        | (-0.782, -0.110) |          | (-0.652, 0.037) |          |          |
| Fever temperature (°C)| -0.412   | -0.606           | -0.238        | -0.729  | -0.48      |
| (-0.514, -0.311)     | (-0.792, -0.420) |                  | (-0.472, -0.004) |        | (-1.016, -0.442) |          | (-0.675, -0.284) |          |          |
|                      |          |                  | <0.001        | <0.001  | <0.001     |          | <0.001     |          | <0.001     |          |
| Symptoms             |          |                  |              |         |            |          |            |          |            |          |
| Sneeze               | 0.333    | 0.19             | 0.221         | 0.463   | 0.265      | 0.284     | 0.319      | 0.06     |
| (0.156, 0.509)       | (-0.115, 0.495) |                  | (0.061, 0.864) |        | (-0.22, 0.749) |          | (-0.013, 0.651) |          |          |
| Cough                | -0.051   | -0.203           | 0.098         | -0.102  | 0.511      | 0.945     | -0.088     | 0.503    |
| (-0.183, 0.081)      | (-0.443, 0.037) |                  | (-0.408, 0.203) |        | (-0.431, 0.462) |          | (-0.346, 0.170) |          |          |
| Sore throat          | -0.043   | 0.001            | 0.992         | -0.084  | 0.616      | 0.601     | -0.064     | 0.651    |
| (-0.188, 0.101)      | (-0.252, 0.255) |                  | (-0.414, 0.246) |        | (-0.583, 0.338) |          | (-0.34, 0.213) |          |          |
| Scratchy throat      | 0.532    | 0.457            | <0.001        | 0.487   | 0.001      | 0.014     | 0.541      | <0.001   |
| (0.404, 0.661)       | (0.229, 0.680) |                  | (0.197, 0.777) |        | (0.107, 0.956) |          | (0.289, 0.792) |          |          |
| Pain in joints       | -0.045   | 0.384            | 0.378         | -0.206  | 0.319      | 0.438     | 0.231      | 0.198    |
| (-0.227, 0.137)      | (-0.180, 0.474) |                  | (-0.612, 0.199) |        | (-0.348, 0.805) |          | (-0.121, 0.584) |          |          |
| Diarrhea             | 0.384    | 0.031            | 0.002         | 0.469   | 0.051      | 0.051     | 0.652      | 0.00     |
| (0.036, 0.732)       | (0.256, 1.082) |                  | (-0.002, 0.990) |        | (0.290, 1.015) |          |          |          |
| Nausea               | 0.134    | 0.583            | 0.024         | 0.751   | 0.027      | 0.051     | -0.507     | 0.051    |
| (0.343, 0.610)       | (0.099, 1.404) |                  | (0.093, 1.519) |        | (-1.016, 0.002) |          |          |          |
| Chill                | -0.041   | -0.102           | 0.417         | -0.098  | 0.71       | 0.114     | 0.503      | 0.00     |
| (-0.226, 0.145)      | (-0.431, 0.226) |                  | (-0.614, 0.419) |        | (-0.22, 0.449) |          |          |          |
|                          | AD     | <0.001 | p-value | DG     | <0.001 | p-value | AD×DG   | <0.001 | p-value |
|--------------------------|--------|--------|---------|--------|--------|---------|---------|--------|---------|
| Strong feeling of weariness | 0.706  | <0.001 | 0.573   | <0.001 | 0.742  | <0.001 | 0.706   | 0.001  | 0.826   | <0.001 |
|                          | (0.563, 0.850) |   | (0.307, 0.838) |   | (0.411, 1.073) |   | (0.280, 1.132) |   | (0.538, 1.114) |   |
| Shortness of breath      | 0.606  | <0.001 | 0.778   | <0.001 | 0.493  | 0.002  | 0.945   | <0.001 | 0.867   | <0.001 |
|                          | (0.461, 0.752) |   | (0.527, 1.030) |   | (0.178, 0.808) |   | (0.521, 1.370) |   | (0.596, 1.138) |   |
| Headache                 | 0.242  | 0.001  | 0.515   | <0.001 | 0.262  | 0.106  | 0.3     | 0.151  | 0.577   | <0.001 |
|                          | (0.104, 0.380) |   | (0.272, 0.757) |   | (-0.056, 0.58) |   | (-1.019, 0.710) |   | (0.310, 0.843) |   |
| Loss of appetite         | 0.807  | <0.001 | 0.952   | <0.001 | 0.716  | 0.007  | 0.262   | 0.412  | 0.928   | <0.001 |
|                          | (0.561, 1.053) |   | (0.559, 1.345) |   | (0.200, 1.231) |   | (-0.365, 0.889) |   | (0.534, 1.322) |   |
| Running nose, nasal stuffiness | -0.018 | 0.798 | 0.162   | 0.197  | -0.09  | 0.578  | 0.237   | 0.241  | 0.155   | 0.252  |
|                          | (-0.157, 0.120) |   | (-0.084, 0.409) |   | (-0.407, 0.227) |   | (-0.159, 0.632) |   | (-0.111, 0.421) |   |
| Fever ≥ 37.5°C           | 0.355  | 0.04   | 0.341   | 0.256  | 0.341  | 0.321  | 0.114   | 0.785  | -0.361  | 0.184  |
|                          | (0.016, 0.693) |   | (-0.247, 0.929) |   | (-0.333, 1.016) |   | (-0.705, 0.934) |   | (-0.894, 0.172) |   |
| Others                   | 0.548  | <0.001 | 0.795   | <0.001 | -0.021 | 0.945  | 0.77    | 0.076  | 0.583   | 0.008  |
|                          | (0.281, 0.816) |   | (0.364, 1.226) |   | (-0.633, 0.590) |   | (-0.079, 1.620) |   | (0.151, 1.016) |   |
| AD                       | 0.041  | <0.001 | 0.271   | 0.105  | 0.094  | 0.667  | -0.085  | 0.742  | 0.251   | 0.19   |
|                          | (-0.137, 0.219) |   | (-0.057, 0.600) |   | (-0.333, 0.520) |   | (-0.593, 0.422) |   | (-0.124, 0.626) |   |
| DG                       | -0.126 | <0.001 | 0.606   | 0.666  | -0.083 | 0.658  | -0.362  | 0.102  | -0.116  | 0.469  |
|                          | (-0.281, 0.028) |   | (-0.345, 0.220) |   | (-0.450, 0.284) |   | (-0.796, 0.072) |   | (-0.430, 0.198) |   |
| AD×DG                    | 0.053  | <0.001 | 0.478   | 0.6    | -0.012 | 0.972  | 0.056   | 0.81   |                    |
|                          | (-0.168, 0.274) |   | (-0.554, 0.260) |   | (-0.385, 0.666) |   | (-0.679, 0.655) |   |                    |

AD is a dummy variable for the After-declaration period, DG is also a dummy variable for the declaration group.
Supplementary Table 2: Estimated regression coefficients and the 95% confidence intervals (CIs) in subsample population (including Hyogo, Fukui, Kyoto, Mie, and Shiga prefectures), stratified by job categories.

| Symptoms            | Employee | Part-time worker | Self-employed | Student | Unemployed |
|---------------------|----------|------------------|---------------|---------|------------|
|                     | Estimate | p-value          | Estimate      | p-value | Estimate   | p-value    | Estimate   | p-value    | Estimate   | p-value    |
| Intercept           | 20.898   | <0.001           | 27.296        | <0.001  | 14.964     | 0.015      | 18.957     | 0.011      | 20.183     | <0.001     |
|                     | (15.731, 26.066) |                  | (18.054, 36.538) |        | (2.859, 27.070) |          | (4.323, 33.592) |          | (10.42, 29.947) |          |
| Age                 | 0.004    | 0.214            | -0.013        | 0.049   | -0.02      | 0.012      | 0.038      | 0.151      | -0.01      | 0.067      |
|                     | (-0.003, 0.012) |                  | (-0.026, 0.000) |        | (-0.035, -0.004) |          | (-0.014, 0.090) |          | (-0.021, 0.001) |          |
| Gender (Female)     | -0.635   | <0.001           | -0.116        | 0.683   | -0.83      | <0.001     | -0.463     | 0.038      | -0.264     | 0.244      |
|                     | (-0.781, -0.490) |                  | (-0.676, 0.443) |        | (-1.187, -0.473) |          | (-0.901, -0.025) |          | (-0.707, 0.180) |          |
| Fever temperature (℃) | -0.472   | <0.001           | -0.624        | <0.001  | -0.273     | 0.103      | -0.447     | 0.027      | -0.434     | 0.001      |
|                     | (-0.613, -0.332) |                  | (-0.874, -0.374) |        | (-0.602, 0.055) |          | (-0.844, -0.050) |          | (-0.699, -0.170) |          |
| Symptoms            | Employee | Part-time worker | Self-employed | Student | Unemployed |
|                     | p-value  | p-value          | p-value       | p-value | p-value    |
| Sneeze              | 0.199    | 0.101            | 0.203         | 0.338   | 0.297      | 0.305      | 0.027      | 0.935      | 0.258      | 0.264      |
|                     | (-0.039, 0.436) |                  | (-0.213, 0.619) |        | (-0.271, 0.865) |          | (-0.617, 0.671) |          | (-0.195, 0.711) |          |
| Cough               | -0.082   | 0.375            | -0.134        | 0.44    | 0.059      | 0.798      | 0.032      | 0.919      | 0.065      | 0.716      |
|                     | (-0.263, 0.099) |                  | (-0.474, 0.206) |        | (-0.389, 0.506) |          | (-0.576, 0.640) |          | (-0.286, 0.416) |          |
| Sore throat         | 0.043    | 0.669            | -0.008        | 0.965   | 0.027      | 0.913      | -0.114     | 0.724      | 0.077      | 0.687      |
|                     | (-0.155, 0.242) |                  | (-0.359, 0.344) |        | (-0.449, 0.502) |          | (-0.751, 0.522) |          | (-0.299, 0.454) |          |
| Scratchy throat     | 0.493    | <0.001           | 0.293         | 0.069   | 0.306      | 0.142      | 0.523      | 0.075      | 0.713      | <0.001     |
|                     | (0.318, 0.668) |                  | (-0.023, 0.609) |        | (-0.102, 0.714) |          | (-0.053, 1.099) |          | (0.372, 1.054) |          |
| Pain in joints      | -0.094   | 0.461            | 0.336         | 0.142   | -0.232     | 0.426      | 0.457      | 0.234      | 0.254      | 0.298      |
|                     | (-0.345, 0.157) |                  | (-0.113, 0.786) |        | (-0.802, 0.338) |          | (-0.296, 1.211) |          | (-0.225, 0.734) |          |
| Diarrhea            | 0.553    | <0.001           | 0.54          | 0.024   | 0.341      | 0.251      | 0.387      | 0.262      | 0.29       | 0.246      |
|                     | (0.298, 0.809) |                  | (0.070, 1.010) |        | (0.241, 0.922) |          | (-0.29, 1.065) |          | (-0.200, 0.779) |          |
| Nausea              | 0.749    | <0.001           | -0.273        | 0.412   | 1.185      | 0.011      | 0.841      | 0.091      | 0.003      | 0.993      |
|                     | (0.343, 1.155) |                  | (-0.924, 0.379) |        | (0.269, 2.102) |          | (-0.135, 1.817) |          | (-0.719, 0.725) |          |
| Chill               | 0.05     | 0.702            | 0.009         | 0.971   | 0.329      | 0.258      | 0.213      | 0.549      | 0.211      | 0.371      |
|                     | (-0.207, 0.308) |                  | (-0.465, 0.483) |        | (-0.241, 0.900) |          | (-0.485, 0.911) |          | (-0.252, 0.673) |          |
|                     | 0.793    | <0.001           | 0.753         | <0.001  | 0.65       | 0.005      | 0.65       | 0.024      | 0.636      | 0.002      |
| Condition                                      | OR (95% CI)     | p-value | OR (95% CI)     | p-value | OR (95% CI)     | p-value | OR (95% CI)     | p-value | OR (95% CI)     | p-value |
|------------------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| Strong feeling of weariness                    | 0.622 (0.421, 0.823) | <0.001 | 0.677 (0.339, 1.015) | <0.001 | 0.366 (-0.089, 0.821) | 0.115 | 1.056 (0.489, 1.623) | <0.001 | 0.809 (0.442, 1.176) | <0.001 |
| Shortness of breath                            | 0.178 (-0.011, 0.367) | 0.064 | 0.536 (0.204, 0.868) | 0.002 | 0.09 (-0.355, 0.535) | 0.692 | 0.405 (-0.154, 0.964) | 0.155 | 0.695 (0.330, 1.061) | <0.001 |
| Headache                                       | 0.833 (0.487, 1.179) | <0.001 | 0.913 (0.386, 1.440) | 0.001 | 1.011 (0.287, 1.734) | 0.006 | -0.171 (-1.034, 0.691) | 0.697 | 0.848 (0.316, 1.380) | 0.002 |
| Loss of appetite                               | 0.019 (-0.171, 0.208) | 0.848 | 0.063 (-0.276, 0.402) | 0.715 | 0.161 (-0.298, 0.621) | 0.491 | 0.332 (-0.191, 0.856) | 0.213 | 0.221 (-0.141, 0.584) | 0.231 |
| Running nose, nasal stuffiness                | 0.284 (-0.162, 0.731) | 0.212 | 0.596 (-0.213, 1.405) | 0.149 | 0.328 (-0.587, 1.242) | 0.482 | -0.489 (-1.567, 0.589) | 0.374 | -0.663 (-1.346, 0.020) | 0.057 |
| Fever ≥ 37.5°C                                 | 0.72 (0.365, 1.075) | <0.001 | 1.123 (0.552, 1.694) | <0.001 | -0.42 (-1.238, 0.397) | 0.313 | 0.876 (-0.226, 1.979) | 0.119 | 0.923 (0.359, 1.487) | 0.001 |
| Others                                         | 0.038 (-0.152, 0.228) | 0.698 | 0.37 (0.019, 0.720) | 0.039 | 0.093 (-0.371, 0.556) | 0.695 | -0.106 (-0.651, 0.440) | 0.704 | 0.327 (-0.069, 0.724) | 0.105 |
| AD                                             | 0.075 (-0.134, 0.285) | 0.481 | 0.042 (-0.341, 0.425) | 0.829 | 0.506 (0.000, 1.013) | 0.05 | -0.058 (-0.657, 0.540) | 0.848 | 0.11 (-0.301, 0.522) | 0.599 |
| DG                                             | -0.066 (-0.352, 0.221) | 0.653 | -0.053 (-0.58, 0.475) | 0.845 | -0.247 (-0.947, 0.453) | 0.489 | 0.257 (-0.616, 1.129) | 0.563 | -0.186 (-0.754, 0.381) | 0.519 |
Supplementary Table 3: Estimated coefficients of logistic regression and the 95% confidence intervals (CIs).

|                          | Estimate (95% CI) | p.value |
|--------------------------|-------------------|---------|
| Intercept                | 6.965 (4.953-8.988) | <0.001  |
| Age                      | -0.005 (-0.008, -0.002) | 0.001   |
| Gender (Female)          | -0.230 (-0.298, -0.162) | <0.001  |
| Fever temperature (°C)   | -0.215 (-0.270, -0.161) | <0.001  |
| Job category             |                   |         |
| Unemployed               | Ref.              | Ref.    |
| Employee                 | -0.432 (-0.515, -0.348) | <0.001  |
| Part-time worker         | -0.186 (-0.280, -0.991) | <0.001  |
| Self-employed            | -0.304 (-0.419, -0.190) | <0.001  |
| Student                  | -0.656 (-0.814, -0.500) | <0.001  |
| Symptoms                 |                   |         |
| Sneeze                   | 0.128 (0.039, 0.217) | 0.005   |
| Cough                    | -0.026 (-0.096, 0.444) | 0.462   |
| Sore throat              | -0.055 (-0.130, 0.719) | 0.148   |
| Scratchy throat          | 0.250 (0.184, 0.316)  | <0.001  |
| Pain in joints           | 0.067 (-0.026, 0.159) | 0.158   |
| Diarrhea                 | 0.339 (0.247, 0.430)  | <0.001  |
| Nausea                   | 0.116 (-0.017, 0.249) | 0.087   |
| Chill                    | -0.004 (-0.096, 0.888) | 0.935   |
| Strong feeling of weariness | 0.378 (0.304, 0.450) | <0.001  |
| Shortness of breath      | 0.357 (0.286, 0.428)  | <0.001  |
| Headache                 | 0.170 (0.100, 0.240)  | <0.001  |
| Loss of appetite         | 0.417 (0.307, 0.527)  | <0.001  |
| Running nose, nasal stuffiness | 0.011 (-0.061, 0.683) | 0.771   |
| Fever ≥ 37.5°C           | 0.147 (-0.017, 0.348) | 0.077   |
| Others                   | 0.315 (0.188, 0.440)  | <0.001  |
| AD                       | -0.048 (-0.131, 0.936) | 0.262   |
| DG                       | 0.110               | 0.025   |
|        |        |        |
|--------|--------|--------|
| AD×DG  | -0.033 | 0.587  |
|        | (-0.152, 0.886) |        |

AD is a dummy variable for the After-declaration period, DG is also a dummy variable for the declaration group.