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| Supplementary Table 2. Factors associated with persistent positive serology among the adult cohort |
|   |   | Persistent positive serology | Logistic regression |
|   |   | No, N (%) | Yes, N (%) | OR (95%CI), P | AdjOR (95%CI), P |
| Total |   | 844 (65.6) | 442 (34.4) |  |  |
| Age, years, median (IQR) | 40 (31-54) | 37 (30-50) | 0.98 (0.97-0.99), 0.001 | 0.99 (0.98-1.01), 0.214 |
| Sex | Male | 596 (64.6) | 327 (35.4) | 1 (Ref) |  |
|  | Female | 248 (68.3) | 115 (31.7) | 1.18 (0.91-1.53), 0.203 |  |
| Ethnicity | Jew | 742 (72.3) | 284 (27.7) | 1 (Ref) |  |
|   | Others | 102 (39.2) | 158 (60.8) | 4.04 (3.04-5.37), <.001 | 2.4 (1.77-3.94), <.001 |
| Socioeconomic  | High | 278 (77.2) | 82 (22.8) | 1 (Ref) |  |
| status | Medium | 324 (70.7) | 134 (29.3) | 1.40 (1.02-1.92), 0.037 | 1.40 (1.00-1.98), 0.050 |
|  | Low | 241 (51.6) | 226 (48.4) | 3.19 (2.34-4.31), <.001 | 1.68 (1.13-2.50), 0.010 |
| Type 1 DM | No | 770 (65.8) | 400 (34.2) | 1 (Ref) |  |
|   | Yes | 74 (63.8) | 42 (36.2) | 1.09 (0.73-1.62), 0.662 |  |
| Anti-tTG level | 1-3 ULN | 357 (80.8) | 85 (19.2) | 1 (Ref) |  |
|  | 3-5 ULN | 170 (75.2) | 56 (24.8) | 1.38 (0.94-2.03), 0.097 | 1.52 (1.02-2.27), 0.039 |
|  | 5-9.9 ULN | 167 (60.1) | 111 (39.9) | 2.79 (1.99-3.91), <.001 | 2.75 (1.92-3.92), <.001 |
|  | ≥ 10 ULN | 150 (44.1) | 190 (55.9) | 5.3 (3.86-7.31), <.001 | 4.76 (3.38-6.70), <.001 |
| Time first-last anti-tTG tests ,months (IQR) |  | 25 (17-31) | 25 (16-30) | 0.99 (0.97-1.04), 0.159 |
| Number of subsequent anti-tTG tests, N (IQR) |  | 2 (1-3) | 1 (1-2) | 0.79 (0.71-0.87), <.001 |
| Anti-tTG/Anti- EMA status | Only anti-tTG is positive\* | 603 (67.4) | 292 (32.6) | 1 (Ref) |  |
|  | Anti-tTG & anti-EMA are positive | 241 (61.6) | 150 (38.4) | 1.28 (1.01-1.64), 0.047 | 2.42 (1.78-3.28), <.001 |
| Diagnosis of CD | No | 555 (71.5) | 221 (28.5) | 1 (Ref) |  |
|  | Yes | 289 (56.7) | 221 (43.3) | 1.92 (1.51-2.42), <.001 | 1.98 (1.53-2.58), <.001 |
| IQR: Interquartile Range; D.M.: Diabetes Mellitus; tTg: tissue transglutaminase; ULN: Upper Limit Normal; EMA: endomysial antibodies; Only anti-tTG is positive\*- Anti-EMA is negative or absent; CD: Celiac Disease. |