### Supplementary Table 4. Association of individual characteristics of snoring with prediabetes and type 2 diabetes mellitus by hypertension prevalence (n=3,948)

| Snoring characteristic/HTN | Prediabetes | | Type 2 diabetes mellitus | |
|----------------------------|-------------|----------------|--------------------------|--------------------------|
|                            | No. of case (%) | OR (95% CI) | P value | No. of case (%) | OR (95% CI) | P value |
| **Intensity**              |              |              |          |              |              |          |
| Without                    |              |              |          |              |              |          |
| Does not snore             | 278 (33.3)  | 1.00 (Ref)  |            | 47 (26.0)  | 1.00 (Ref)  |            |
| Slightly louder than breathing | 256 (30.7) | 1.40 (1.03–1.78) | 0.019 | 55 (30.4)  | 1.61 (1.05–2.17) | 0.028 |
| As loud as talking         | 176 (21.1)  | 1.57 (1.13–1.95) | 0.007 | 45 (24.9)  | 1.75 (1.10–2.57) | 0.021 |
| Louder than talking        | 78 (9.3)    | 1.75 (1.15–2.03) | 0.006 | 17 (9.4)   | 1.86 (1.20–2.71) | 0.008 |
| Very loud                  | 47 (5.6)    | 1.94 (1.41–2.42) | 0.006 | 17 (9.4)   | 2.18 (1.32–3.87) | 0.002 |
| With                       |              |              |          |              |              |          |
| Does not snore             | 93 (24.1)   | 1.00 (Ref)  |            | 39 (22.8)  | 1.00 (Ref)  |            |
| Slightly louder than breathing | 105 (27.2) | 1.11 (0.82–1.60) | 0.632 | 37 (21.6)  | 1.26 (0.80–1.61) | 0.507 |
| As loud as talking         | 93 (24.1)   | 1.21 (0.94–1.74) | 0.509 | 53 (31.0)  | 1.40 (0.94–2.24) | 0.197 |
| Louder than talking        | 62 (16.1)   | 1.45 (0.94–2.11) | 0.238 | 25 (14.6)  | 1.07 (0.52–1.71) | 0.806 |
| Very loud                  | 33 (8.6)    | 1.31 (0.63–1.90) | 0.688 | 17 (9.9)   | 1.16 (0.57–2.24) | 0.690 |
| **Frequency**              |              |              |          |              |              |          |
| Without                    |              |              |          |              |              |          |
| Never or nearly never      | 301 (36.1)  | 1.00 (Ref)  |            | 48 (26.5)  | 1.00 (Ref)  |            |
| 1–2 times a month          | 116 (13.9)  | 1.20 (1.01–1.69) | 0.038 | 29 (16.0)  | 1.65 (1.01–2.72) | 0.027 |
| 1–2 times a week           | 179 (21.4)  | 1.48 (1.07–1.99) | 0.027 | 55 (19.3)  | 1.87 (1.02–2.23) | 0.018 |
| 3–4 times a week           | 119 (14.3)  | 1.68 (1.20–2.02) | 0.009 | 29 (16.0)  | 2.10 (1.25–3.35) | 0.007 |
| Nearly every day           | 120 (14.4)  | 1.87 (1.28–2.11) | 0.008 | 40 (22.1)  | 2.38 (1.49–3.90) | <0.001 |
| With                       |              |              |          |              |              |          |
| Never or nearly never      | 109 (28.3)  | 1.00 (Ref)  |            | 42 (24.6)  | 1.00 (Ref)  |            |
| 1–2 times a month          | 56 (14.6)   | 1.67 (1.01–2.76) | 0.036 | 17 (9.9)   | 0.85 (0.50–1.60) | 0.766 |
| 1–2 times a week           | 72 (18.7)   | 1.00 (0.58–1.62) | 0.718 | 43 (25.2)  | 1.51 (0.94–2.60) | 0.092 |
| 3–4 times a week           | 66 (17.1)   | 1.08 (0.68–1.83) | 0.632 | 26 (15.2)  | 1.00 (0.58–1.78) | 0.967 |
| Nearly every day           | 82 (21.3)   | 1.41 (0.90–2.00) | 0.222 | 43 (25.2)  | 1.32 (0.76–2.30) | 0.261 |
| **Bothersome**             |              |              |          |              |              |          |
| Without                    |              |              |          |              |              |          |
| Does not snore             | 278 (33.3)  | 1.00 (Ref)  |            | 47 (26.0)  | 1.00 (Ref)  |            |
| Not disruptive              | 418 (50.1)  | 1.39 (1.01–1.77) | 0.038 | 93 (51.4)  | 1.57 (1.09–2.22) | 0.018 |
| Disruptive                 | 139 (16.7)  | 1.17 (0.75–1.80) | 0.291 | 41 (22.7)  | 1.90 (1.21–2.90) | 0.007 |
| With                       |              |              |          |              |              |          |
| Does not snore             | 93 (24.1)   | 1.00 (Ref)  |            | 39 (22.8)  | 1.00 (Ref)  |            |
| Not disruptive              | 206 (53.4)  | 1.14 (0.82–1.66) | 0.679 | 92 (53.8)  | 1.16 (0.77–1.78) | 0.490 |
| Disruptive                 | 87 (22.5)   | 1.20 (0.70–1.90) | 0.530 | 40 (23.4)  | 1.04 (0.57–1.71) | 0.868 |

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