Appendix

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| Appendix 1. Logistic regression coefficients for the association of tooth loss and multimorbidity (excluding hypertension) in Brazilian older adults. The Brazilian National Health Survey, 2019 |
| **multimorbidity**  | **Presence of Functional Dentition** |   | **Severe tooth Loss** |
| **Unadjusted** |  | **Adjusted\*** |  | **Unadjusted** |  | **Adjusted\*** |
| **OR (95%CI)** |  | **OR (95%CI)** |  | **OR (95%CI)** |  | **OR (95%CI)** |
|   |   |   |
|  |  |  |  |  |  |  |  |  |
|  | **no** | 1 |  | 1 |  | 1 |  | 1 |
|  | **multimorbidity≥ 2** | 0.78 (0.70; 0.87) |  | 0.85 (0.75; 0.93) |  | 1.22 (1.11; 1.34) |  | 1.12 (1.00; 1.24) |
|  | **no**  | 1 |  | 1 |  | 1 |  | 1 |
|  | **multimorbidity ≥ 3** | 0.79 (0.69; 0.90) |  | 0.84 (0.73; 0.98) |  | 1.17 (1.03; 1.32) |  | 1.06 (0.92; 1.22) |
| \*Adjusted for sex, race, income, schooling, age groups, geographic region and smoking status. |   |   |

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| Appendix 2. Logistic regression coefficients for the association of levels of tooth loss and multimorbidity (excluding hypertension) in Brazilian adults. The Brazilian National Health Survey, 2019 |
| **multimorbidity**  | **Presence of Functional Dentition** |   | **Severe tooth Loss** |
| **Unadjusted** |  | **Adjusted\*** |  | **Unadjusted** |  | **Adjusted\*** |
| **OR (95%CI)** |  | **OR (95%CI)** |  | **OR (95%CI)** |  | **OR (95%CI)** |
|   |   |   |
|  |  |  |  |  |  |  |  |  |
|  | **no** | 1 |  | 1 |  | 1 |  | 1 |
|  | **multimorbidity≥ 2** | 0.40 (0.36; 0.44) |  | 0.70 (0.62; 0.78) |  | 2.41 (2.14; 2.71) |  | 1.29 (1.12; 1.47) |
|  | **no**  | 1 |  | 1 |  | 1 |  | 1 |
|  | **multimorbidity ≥ 3** | 0.31 (0.27; 0.36) |  | 0.62 (0.52; 0.73) |  | 3.05 (2.58; 3.60) |  | 1.43 (1.19; 1.71) |
| \*Adjusted for sex, race, income, schooling, age, geographic region and smoking status. |   |   |   |   |