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Supplemental Table 1. Variable assignment

Variable	Meaning	Assignment
X1	Gingival thickness	Continuous variable
X2	Percentage of BOP-positive sites	Continuous variable
X3	Proximal contact area	Continuous variable
X4	Interdental papilla height	Continuous variable
X5	Interproximal alveolar bone height	Continuous variable
X6	Buccal/lingual bone plate thickness	Continuous variable
X7	Relative movement of adjacent teeth at target site	Continuous variable
Y	Gingival embrasure risk after clear aligner treatment	event group=1 , non-event group=0