

Data Dictionary

Variable	Definition
Distance from Clinic	One-way travel distance from the patient’s city of residence to the clinic (km).
Smoking Status	History of tobacco smoking at baseline, categorized as Ever (current or former smoker) or Never (never smoker). Cannabis and vaping excluded.
Diabetes Status	Documented diabetes status at baseline, categorized as Y = Prediabetes, Type 1 diabetes, Type 2 diabetes, or Unknown if the type could not be confirmed from the patient record; N = no documented diabetes.
Arthritis	Presence of a documented arthritis diagnosis in the patient’s medical history at baseline, including rheumatoid arthritis and osteoarthritis.
Polypharmacy	Concurrent use of ≥5 medications.
Medications	Use of one or more prescription medications documented in the patient’s medical history at the time of SRP completion. Vitamins and supplements excluded; hormones and PRN medications included.
Xerostomia Risk Medications	Presence of one or more medications known to be associated with reduced salivary flow, including antidepressants, antihistamines, anxiolytics, anticholinergics, selected antihypertensives, and stimulant medications.
Immunosuppressant Medications	Use of systemic corticosteroids, conventional disease-modifying antirheumatic drugs (DMARDs), biologic agents, calcineurin inhibitors, JAK inhibitors, or transplant-related immunosuppressive medications.
Initial BOP	Full-mouth bleeding score (%) recorded at baseline.
Initial O’Leary Plaque Score	Full-mouth plaque score (%) representing the proportion of examined tooth surfaces with plaque. Calculated as: plaque-positive surfaces ÷ total tooth surfaces examined × 100. At baseline, plaque was assessed using disclosing solution.
Initial Probing Depth Site Counts	Number of periodontal sites with probing depths of 4–6 mm and >6 mm, recorded separately at the baseline examination.
8-Week BOP	Full-mouth bleeding score (%) recorded at the 8-week re-evaluation.
8-Week O’Leary Plaque Score	Full-mouth plaque score (%) representing the proportion of examined tooth surfaces with plaque. Calculated as: plaque-positive surfaces ÷ total tooth surfaces examined × 100. At the 8-week re-evaluation, plaque was assessed using disclosing solution.
8-Week Probing Depth Site Counts	Number of periodontal sites with probing depths of 4–6 mm and >6 mm, recorded separately at the 8-week re-evaluation.
≥20% Relative Plaque Reduction from Baseline	Achievement of a ≥20% relative reduction in O’Leary Plaque Index compared with baseline, assessed at the 8-week re-evaluation and maintenance appointments.
≥20% Relative Plaque Reduction from Previous Clinical Visit	Achievement of a ≥20% relative reduction in O’Leary Plaque Index compared with the previous clinical visit; Maintenance 1 was compared with the 8-week re-evaluation, Maintenance 2 with Maintenance 1, and Maintenance 3 with Maintenance 2.
Recommended Recall Interval	Clinician-prescribed periodontal maintenance interval in months.
First Recall Due Date	Date on which the first periodontal maintenance appointment was due based on the prescribed recall interval.
First Maintenance Attendance Date	Date of attendance at the patient’s first periodontal maintenance appointment following re-evaluation.
First Recall Cycle Completed	Attendance at the first periodontal maintenance appointment within the prescribed recall interval plus a 60-day grace period. Includes L = late where applicable.
Days to First Maintenance from Due Date	Actual attendance date minus the prescribed due date. Negative values indicate early attendance; positive values indicate late attendance. Blank if the patient never attended.
Second Recall Due Date	Date on which the second periodontal maintenance appointment was due based on the prescribed recall interval.
Second Maintenance Attendance Date	Date of attendance at the patient’s second periodontal maintenance appointment following the first maintenance appointment.
Second Recall Cycle Completed	Attendance at the second periodontal maintenance appointment within the prescribed interval plus a 60-day grace period. Includes L = late where applicable.
Days to Second Maintenance from Due Date	Actual attendance date minus the prescribed due date. Negative values indicate early attendance; positive values indicate late attendance. Blank if the patient never attended.
Third Recall Due Date	Date on which the third periodontal maintenance appointment was due based on the prescribed recall interval.
Third Maintenance Attendance Date	Date of attendance at the patient’s third periodontal maintenance appointment following the second maintenance appointment.
Third Recall Cycle Completed	Attendance at the third periodontal maintenance appointment within the prescribed interval plus a 60-day grace period. Includes L = late where applicable.
Days to Third Maintenance from Due Date	Actual attendance date minus the prescribed due date. Negative values indicate early attendance; positive values indicate late attendance. Blank if the patient never attended.
Appointment Outcome	Final status of a scheduled periodontal recall appointment. Categories include Completed, Rescheduled, Cancelled, No Show, Planned, and NA. These recorded outcomes were used to derive recall adherence.
No-Show Count	Total number of no-show codes recorded within 18 months of SRP completion, regardless of whether the patient attended a maintenance appointment. Appointments cancelled by the practice were excluded. Comparative analyses were restricted to patients with a complete 18-month follow-up window.
True Cancellation	Patient cancelled ≥1 appointment and did not return within 18 months of SRP completion. A cancellation followed by rebooking and attendance within 60 days was not considered a true cancellation; the patient remained engaged in care.
Maintenance BOP	Full-mouth bleeding score (%) recorded at Maintenance 1, 2, or 3.
Maintenance O’Leary Plaque Score	Full-mouth plaque score (%) representing the proportion of examined tooth surfaces with visible plaque. Calculated as: plaque-positive surfaces ÷ total tooth surfaces examined × 100. At maintenance visits, plaque was assessed visually rather than with disclosing solution.
Maintenance Probing Depth Site Counts	Number of periodontal sites with probing depths of 4–6 mm and >6 mm, recorded separately at Maintenance 1, 2, or 3.
Retained at 1 Year	Whether the patient remained an active patient in the practice one year after the comprehensive examination date. N/A indicates that the patient had not yet reached the 1-year follow-up point and was excluded from that analysis.
Retained at 2 Years	Whether the patient remained an active patient in the practice two years after the comprehensive examination date. N/A indicates that the patient had not yet reached the 2-year follow-up point and was excluded from that analysis.