



## Dental Hygiene KPI Guide

### Why These KPIs Matter

Periodontal disease affects approximately 47.5% of U.S. adults and more than 70% of adults over age 65. These KPIs help evaluate diagnostic accuracy, treatment planning consistency, and periodontal program effectiveness. The goal is not to achieve arbitrary percentages, but to ensure patients receive the level of care appropriate for their clinical condition.

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### D1110 – Adult Prophylaxis

#### **Definition:**

Removal of plaque, calculus, and stains from supragingival tooth structures and implants in patients with healthy or generally healthy periodontal conditions.

#### **Typical clinical findings:**

- 1–3 mm probing depths
- Localized bleeding < 30%
- Firm, pink, stippled gingival tissue

#### **Calculation**

$$D1110 \div (D1110 + D4346 + D4910)$$

#### **Goal Range**

25-30%

#### **KPI Significance**

A lower percentage may indicate appropriate identification of gingival inflammation and periodontal disease. A significantly higher percentage may suggest underdiagnosis of patients who have moderate to severe gingivitis or periodontal disease with irreversible bone damage.

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### D4346 – Scaling in the Presence of Generalized Moderate or Severe Gingival Inflammation

**Definition:**

Removal of plaque, calculus, and stains in patients exhibiting generalized gingival inflammation without clinical attachment loss or periodontitis.

**Typical clinical findings:**

- Generalized moderate to severe inflammation
  - Generalized bleeding > 30%
  - Pseudo/suprabony pocketing
- No attachment loss consistent with periodontitis

**Calculation**

$$D4346 \div (D1110 + D4346 + D4910)$$

**Goal Range**

25–30%

**KPI Significance**

This metric reflects how effectively providers identify and treat gingivitis before it progresses to periodontitis. Low utilization may indicate missed opportunities for proactive intervention.

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### D4910 – Periodontal Maintenance

**Definition:**

Periodontal maintenance following active periodontal therapy.

**Services may include:**

- Removal of supragingival and subgingival plaque and calculus
- Site-specific non-surgical periodontal therapy as indicated
  - Polishing
- Ongoing periodontal evaluation

Patients experiencing recurrent bleeding, increasing pocket depths, or whose SRP was completed several years ago may require reassessment for active periodontal therapy.

**Calculation**

$$D4910 \div (D1110 + D4346 + D4910)$$

**Goal Range**

50%+

**KPI Significance**

A healthy periodontal program typically includes a substantial periodontal maintenance population. Lower percentages may indicate under-identification of periodontal disease or breakdowns in patient conversion to maintenance.

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### Perio %

#### **Definition:**

Measures the percentage of patients diagnosed with or being maintained for periodontal disease.

#### **Calculation**

$(D4341 + D4342 + D4910) \div (D4341 + D4342 + D4910 + D4346 + D1110)$

#### **Goal Range**

50%

#### **KPI Significance**

This metric reflects the overall periodontal health profile of the practice. It should closely align with known disease prevalence and often mirrors or exceeds the D4910 percentage.

#### **A low Perio % may indicate:**

- Underdiagnosis of periodontal disease
  - Inconsistent periodontal charting
- Limited treatment acceptance conversations

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### Active Perio %

#### **Definition:**

Measures the percentage of hygiene patients currently receiving active periodontal therapy (SRP).

#### **Calculation**

$(D4341 + D4342) \div (D4341 + D4342 + D1110 + D4346 + D4910)$

#### **Goal Range**

30-40%+

#### **KPI Significance**

Active Perio % helps determine whether the practice continues to identify and treat new or recurrent periodontal disease.

#### **Examples:**

- High Perio % with low Active Perio % may indicate a large maintenance population but limited new diagnosis or retreatment.
- Healthy practices consistently identify new periodontal cases through new patient exams, recare visits, and retreatment evaluations.

This metric helps ensure periodontal diagnosis remains an active component of patient care rather than relying solely on previously diagnosed cases.



### KPI Interpretation Summary

<b>KPI</b>	<b>Target</b>
D1110 Adult Prophy	25–30%
D4346 Gingivitis Therapy	25–30%
D4910 Periodontal Maintenance	~50%
Perio %	~50%
Active Perio %	~30%

*These benchmarks are intended as clinical performance indicators and should be interpreted alongside comprehensive periodontal charting, radiographic findings, bleeding scores, clinical attachment loss, and overall patient population demographics.*