

Online-only supplement

Smits et al.

Online-Only Supplement to ‘The effect of periodontal treatment on diabetes-related healthcare costs: A retrospective study’

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eTable 1. Periodontal treatment classification and reimbursement codes

| Category | Codes |
|--|---|
| Initial periodontal therapy | T21; T22; T199 |
| Periodontal surgery | 4024; 4025; 4027; N311; N315(Z); N411(A/Z); N511(A/Z); N515(A/Z); N551; N611; N615(A); T57; T70; T71; T72; T76; T80; T81; T82; T83; T84; T85; T86; T87; T88 |
| Supportive periodontal therapy (short visit) | T51; T52 |
| Supportive periodontal therapy (normal visit) | N111; T53; T54; T75; T99; TB99; TH99; TN99; W112 |
| Supportive periodontal therapy (long visit) | T33; T55; T56; W114 |
| Treatment of complications of periodontitis, such as periodontal abscess | N811(Z); T94 |
| Additional technical costs for materials, such as periodontal splint | T00; T95 |

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eTable 2. Diabetes healthcare costs classification and diagnosis, treatment and anatomical therapeutic chemical codes

| Category | Codes |
|-----------------------------------|--|
| | Diagnosis and Treatment codes (DBC) |
| Diagnosis | 040201001; 040201004; 040201012; 040201015 |
| Treatment | 040201008; 040201010; 040201013; 140301034; 140301055; 140301062 |
| Insulin pump | 040201009; 040201011; 040201014; 040201016; 040201020; 040201021; 140301015; 140301016 |
| Hospitalization | 040201006; 040201007; 040201019; 140301014; 140301035; 140301036; 140301038; 140301039; 140301080 |
| Complication eye | 079799003; 079799006; 079799007; 079799012; 079799022; 079799023; 079799024; 079799025; 079799031; 079799032; 079799033; 079799034; 079799036; 079799037; 079799038; 079799041; 079799045; 079799048 |
| Complication foot | 099699007; 099699018; 099699019; 099699020; 099699021; 099699022; 099699023; 099699034; 099699035; 099699036; 099699058; 099699059; 099699060; 099699063; 099699064; 099699076; 099699083 |
| | Anatomical Therapeutic Chemical codes (ATC) |
| Only metformin | A10BA02 |
| Other oral glucose lowering drugs | A10B excluding A10BA02 |
| Insulin | A10A |
| | Tool codes |
| HbA1c Test strips | F10 |

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eTable 3. Sensitivity analyses for fixed effect panel regression models

| Model | N | Coefficient | 95%CI | p-value |
|---|----------|--------------------|------------------|----------------|
| Sensitivity 1: Categories of diabetes healthcare costs | | | | |
| Total diabetes medication-related costs | 41,598 | €4.92 | €3.93; €5.91 | <.001 |
| Total diabetes non-medication related costs | 41,598 | €-16.95 | €-20.53; €-13.37 | <.001 |
| Sensitivity 2: Medication groups in 2012 | | | | |
| Only metformin | 14,534 | €7.38 | €4.38; €10.37 | <.001 |
| Other oral glucose-lowering drugs | 13,254 | €13.56 | €8.51; €18.61 | <.001 |
| Insulin | 13,810 | €-58.09 | €-67.83; €-48.35 | <.001 |
| Sensitivity 3: Time lag | | | | |
| 6 month time lag | 41,598 | €-11.96 | €-15.60; €-8.32 | <.001 |
| 1 year time lag | 41,598 | €-12.01 | €-16.52; €-9.49 | <.001 |

CI: confidence intervals

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eTable 4. Fixed effect regression model in subsamples of study population

| Subsample | N | Coefficient | 95%CI | p-value |
|---------------------|----------|--------------------|------------------|----------------|
| Age | | | | |
| ≤65 years old | 26,415 | €-9.53 | €14.43; €-4.63 | <.001 |
| >65 years | 15,183 | €-17.79 | €-23.32; €-12.27 | <.001 |
| Gender | | | | |
| Male | 22,605 | €-8.49 | €-13.73; €-3.24 | 0.002 |
| Female | 18,992 | €-16.89 | €-22.16; €-11.61 | <.001 |
| SES | | | | |
| Very low – low | 19,618 | €-12.64 | €-17.77; €-7.52 | <.001 |
| Neutral – very high | 21,562 | €-11.58 | €-17.07; €-6.09 | <.001 |

CI: confidence intervals; SES: Socioeconomic status