



PERIODONTAL DISEASE IS A MAJOR MEDICAL PROBLEM

BLOODSTREAM

Chewing Injects Bacteria Into Your Bloodstream.

Periodontal bacteria in the bloodstream increased four times (up to 24%) in those who chewed just 50 times.¹

BREATHING

You Breathe Periodontal Bacteria into Your Lungs.

When you breathe periodontal bacteria into your lungs, it increases the risk of lung disease and pneumonia.²

IMMUNE SYSTEM

Periodontal Bacteria Lower Your Immune System.

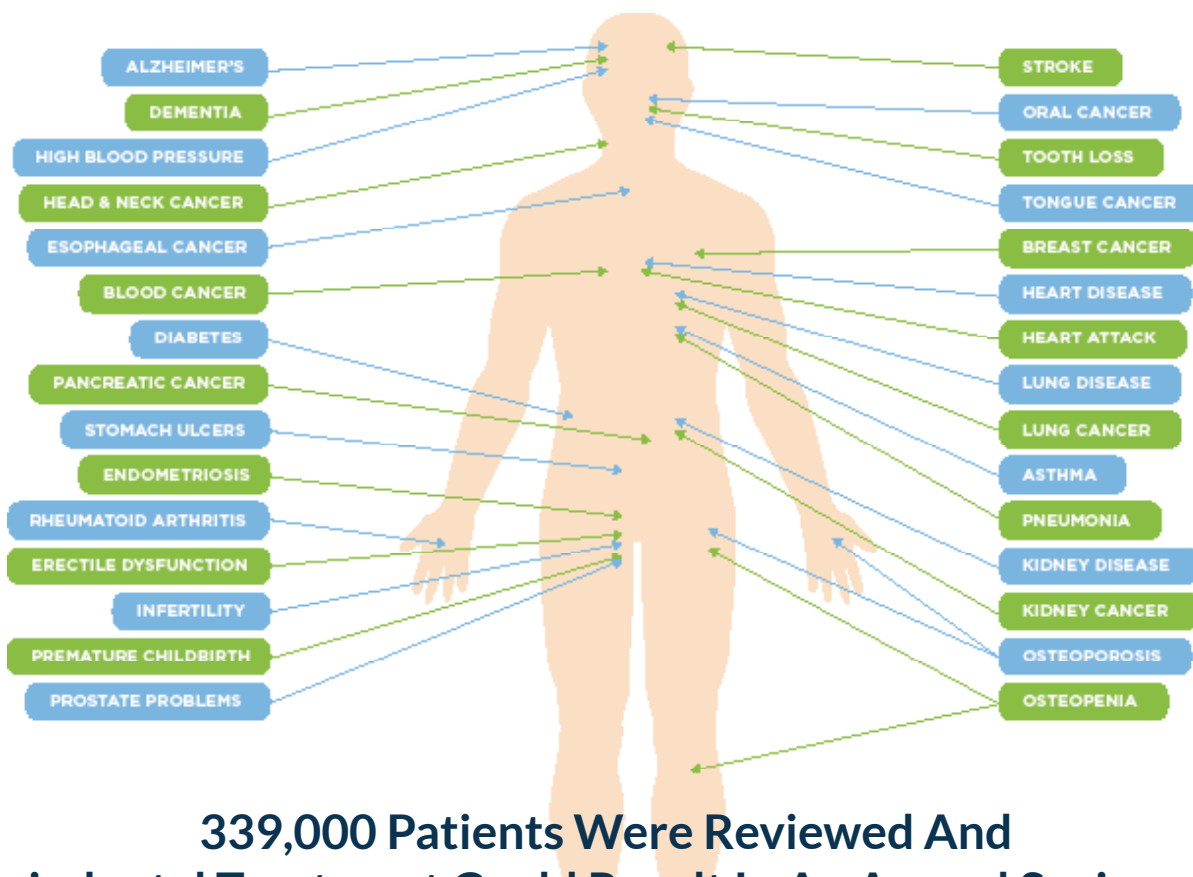
In general, health costs were 21% higher for those patients with more severe cases of periodontal disease.³

TRANSMISSION

Periodontal Disease Can Be Transmitted to Others.

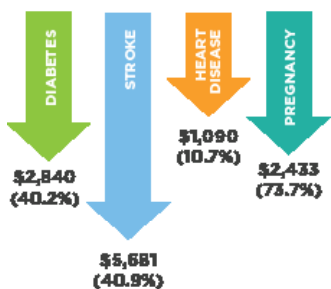
DNA tests show periodontal bacteria are transmitted by breath or kissing others close to you (your spouse & children).⁴

Medical Conditions Related to Periodontal Disease



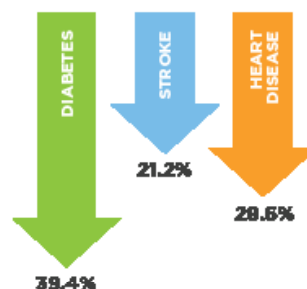
339,000 Patients Were Reviewed And Periodontal Treatment Could Result In An Annual Savings Of:

Treating Gum Disease Means Lower Annual Medical Costs



Significant annual cost savings are possible when individuals with certain chronic diseases (diabetes, heart disease, etc.), or who are pregnant, receive dental treatment for their periodontal disease (gum disease).⁵

Treating Gum Disease Reduces Hospital Admissions



Significant decreases in annual hospitalizations are possible when individuals with certain chronic diseases receive dental treatment for their periodontal disease (gum disease).⁶

RESEARCH RELATING PERIODONTAL DISEASE WITH MEDICAL PROBLEMS (AS OF FEBRUARY, 2016)

Research Key

Correlative Research (C) shows that those with periodontal disease have a higher rate of the below medical conditions.
Direct Link Research (DL) shows a direct biochemical or medical link to the disease.

ALZHEIMER'S & DEMENTIA ⁷

DL

A high percentage of Alzheimer's patients had the periodontal bacteria "P. gingivalis" **in their brain tissue** while no P. gingivalis was found in healthy patients.

ARTHRITIS ⁸

C

There is a **strong** correlation between the severity of periodontal disease and the severity of Rheumatoid Arthritis.

ASTHMA ⁹

C

Those with periodontal disease were **5 times** more likely to get Asthma.

BLOOD CANCERS ¹⁰

C

Those with periodontal disease had **30%** higher risk of blood cancers, including; Leukemia, Multiple Myeloma and Lymphoma.

BREAST CANCER ¹¹

C

Those with periodontal disease had a **6-36%** higher risk of Breast Cancer depending on their history of smoking.

DIABETES ^{12,13}

DL, C

Periodontal disease **worsens** blood sugar control and **speeds** the transition from Pre-Diabetes to Diabetes. ¹² And Diabetic patients are **2.8 - 3.4 times** more likely to develop periodontal disease. ¹³

ENDOMETRIOSIS ¹⁴

C

Women with periodontal disease had a **significantly** higher risk of Endometriosis (female pelvic pain).

ESOPHAGEAL CANCER ¹⁵

DL

The periodontal bacteria "P. gingivalis" was found in **61%** of cancerous tissues and was not found in normal esophageal tissues.

HEAD & NECK CANCER ¹⁶

C

Those with periodontal disease had **significant** risk of Head & Neck Cancer.

HEART ATTACK ¹⁷

C

Those with periodontal disease had **2.7 times** higher risk of Heart Attack.

HEART DISEASE ^{18,19,20}

C, DL

Those with periodontal disease had **2.3 times** higher risk of Heart Disease. ¹⁸

Periodontal Disease releases enzymes in Aortic Blood Vessels causing **plaque buildup** and **Atherosclerosis** (hardening of the arteries). ¹⁹

Periodontal disease starts changes in **Triglycerides** (blood fats) which increase blood inflammation linked to Heart Disease. ²⁰

HIGH BLOOD PRESSURE (HYPERTENSION) ²¹

DL

Periodontal disease **directly affects** the mass of the left ventricle - a key aspect of Hypertension.

INFERTILITY & ERECTILE DYSFUNCTION ^{22,23}

C

It was found that the more serious the periodontal disease, the higher the sperm immobility. ²² And those with periodontal disease were **3.2 times** more likely to have Erectile Dysfunction. ²³

KIDNEY CANCER & KIDNEY DISEASE ^{24,25}

C

Those with periodontal disease had a **49%** higher risk of Kidney Cancer ²⁴ and **2.3 times** higher risk of Kidney Disease. ²⁵

LUNG CANCER & LUNG DISEASES ^{26,27}

C

Those with periodontal disease had **36%** higher risk of Lung Cancer ²⁶ and **1.5 times** higher risk of Lung Diseases, including pneumonia and COPD. ²⁷

ORAL CANCER ²⁸

C

Those with periodontal disease had **increased** risk of Oral Cancer.

OSTEOPOROSIS & OSTEOPENIA ^{29,30}

C

Research suggests that Bone Mineral Density (a key factor of these diseases) is **significantly** associated with periodontal disease.

PANCREATIC CANCER ³¹

C

Those with periodontal disease have **63%** higher risk of Pancreatic Cancer.

PREMATURE CHILDBIRTH ³²

C

Women with periodontal disease have **70%** higher chance of Premature Childbirth.

PROSTATE PROBLEMS ³³

C

Men with periodontal disease showed **increased** levels of PSA and benefited the most from periodontal treatment.

STOMACH ULCERS ³⁴

C

Those with periodontal disease had **50%** higher chance of being infected with H. pylori bacteria (a major cause of Stomach Ulcers).

STROKE ^{35,36}

C, DL

Those with periodontal disease were **3 times** more likely to have a Stroke. ³⁵

Those with severe periodontal disease had **4 times** more carotid artery plaque than those without periodontal disease. ³⁶

TONGUE CANCER ³⁷

C

Those with periodontal disease had **5 times** higher risk of Tongue Cancer.

TOOTH LOSS ³⁸

C

Periodontal disease is the **main cause** of Tooth Loss and all of the dental and medical problems that Tooth Loss leads to.



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