



SIMPLYPERIO®

Most patients won't recognize they have some form of Gum Disease.

WHY TEST?

Periodontal disease (also called gum disease) is a polymicrobial biofilm infection. This inflammatory disease has two stages: gingivitis and periodontitis. Triggered by pathogenic bacteria, it leads to the damage of the soft tissue and bone supporting the teeth.

90% of the population has a form of gum disease.¹ In some it may be easy to spot, however, in the vast majority these dangerous and damaging periodontal pathogens can't be identified by a perio probe or a visual exam. Testing delivers evidence and identifies the causative bacterial burden using DNA analysis.

Gum disease is the most undiagnosed & untreated disease with the highest impact on so many bodily systems & functions. Testing drives more patients into the necessary periodontal therapy they need with a commitment to better home care regimens.

The following list are some of the systemic disease risks that science has connected to oral pathogens.

- Alzheimer's Disease (Aa, Pg, Tf, Td, Fn, Pi, V)
- Heart Disease/Attack (Aa, Pg, Tf, Td, Fn, Fa, Pi, Cr, Ec, Sm, Ca, V)
- Stroke (Aa, Pg, Tf, Td, Fn, Fa, Pi, Cr, Sm, Ca)
- Diabetes (Aa, Pg, Tf, Td, Fa, Sm, Ca)
- Cancer (Aa, Pg, Tf, Fn, Fa, V)
- Kidney Disease (Pg, Tf, Td)
- Rheumatoid Arthritis (Aa, Pg)
- Adverse Pregnancy Outcomes (Aa, Pg, Tf, Td, Fn, Fa, Pi, Ec, Sm)
- High Blood Pressure (Aa, Pg, Tf, Td, Fn, Ec)
- Liver Disease (Aa, Pg, Tf, Td, Fn, V)
- Multiple Sclerosis (Pg)
- Women's Health (Fa, Ec)
- Gut Health (Pg, Fa, Fn, V)

90%

of the population HAS A FORM OF GUM DISEASE

Gum disease is a polymicrobial biofilm infection. Gone unchecked, pathogens and their toxins can easily move through the bloodstream with far reaching and catastrophic effects on items like the heart, arteries and central nervous system.¹

95%

OF THOSE WITH DIABETES

also have gum disease lowering glycemic control

70%

MORE LIKELY TO DEVELOP ALZHEIMER'S

if suffering more than 10 years from gum disease

up to
50%

HEART ATTACKS & STROKES ARE

triggered by oral bacteria^{2,3,4}

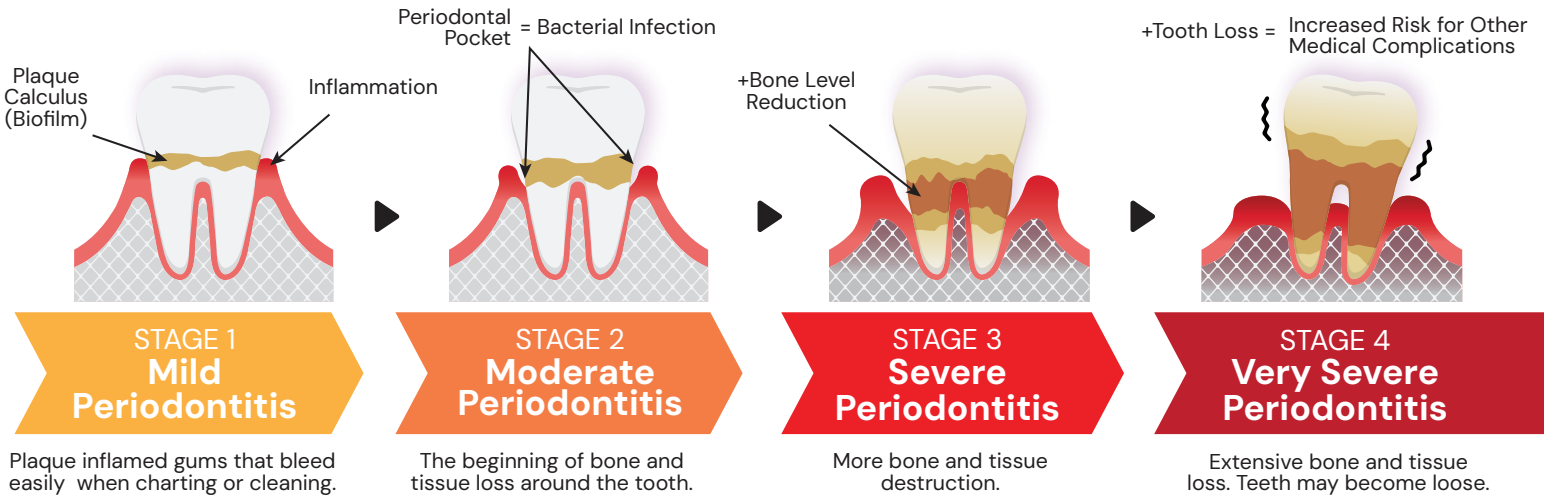
up to
50%

GREATER RISK OF CANCER

with gum disease⁵

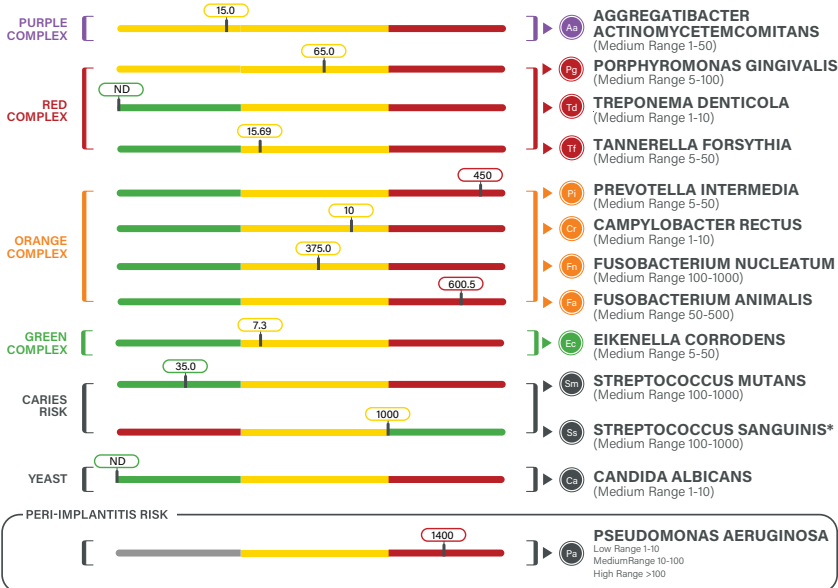
WHO TO TEST?

1. **Test everyone!** Periodontal disease is the most undiagnosed & untreated disease with the highest impact to so many bodily systems and functions.
2. Patients with bleeding (Gingivitis) while charting or cleaning and those with mild, moderate, or severe Periodontitis.
3. Those patients with unexplained inflammatory biomarkers such as hsCRP.
4. All patients pre and post restorative care procedures (braces, extraction, root canals, implants).
5. Those currently pregnant or actively pursuing pregnancy.
6. All patients at current risk of any systemic health disease.



FINAL REPORT		
PERIODONTAL Sample Type: Saliva Reported: 03/20/2023 14:31		
PATIENT INFO	SAMPLE INFO	ORDERING PROVIDER
Jane Doe DOB: 09/20/1980 (40 yrs) Sex: Female	Specimen#: FR0000000000 Collected: 03/15/2024 Received: 03/20/2024 09:57	Glenn Close, MD NPI: 000000000 Phone: 800-555-5555
simplytest.com		
<div style="display: flex; justify-content: space-between;"> Low Medium High </div>		

All displayed values are in genomic copies x1000/mL except Fusobacterium nucleatum which is in genomic copies x10,000/mL.



*The presence of Streptococcus Sanguinis is associated with healthy plaque biofilm. Reference bar ranges have been normalized for clarity. ND = Not Detected UML = Upper Measuring Limit (>9999).

POSITIVE	NEGATIVE	ATTENTION	VIRAL TARGETS
✓	✓		HERPES SIMPLEX VIRUS 1 (HSV-1)
✓	✓		HERPES SIMPLEX VIRUS 2 (HSV-2)
✓	✓		CYTOMEGALOVIRUS
✓	✓		EPSTEIN BARR VIRUS

PROVIDERS ONLY
Need help interpreting results?



HOW TO TEST?



Only noninvasive saliva collection with patented preservation solution that freezes oral bloom pathogen activity at the point of collection for the most accurate patient-specific disease state understanding.

1. Collect 1 mL of patient saliva, place in postage paid box, & send sample off to the lab.
2. Review results in 24-48 hours on secure HIPAA compliant web portal including option to share with patients.
3. Evaluate actionable clinical insights and determine next steps or provider hand-off collaborative treatment plan.
4. Providers have access to experts for help with interpreting test results.
5. Retest to monitor successful outcomes.



Source Infographic: The American Academy for Oral Systemic Health (AAOSHI)
 [1] <https://www.ncbi.nlm.nih.gov/books/NBK554590/>
 [2] Pessi T, Karhunen V, Karjalainen PP, et al. Bacterial signatures in thrombosis aspirates of patients with myocardial infarction. Circulation. 2013;127(11):1219-1228. doi:10.1161/CIRCULATIONAHA.112.001254
 [3] Freire MO, Van Dyke TE. The mechanisms behind oral-systemic interactions. In: Glick M, ed. The Oral-Systemic Health Connection: A Guide to Patient Care. Chicago, IL: Quintessence; 2014:Chapter 5, 103-119.
 [4] Leishman SJ, Do HL, Ford PJ. Cardiovascular disease and the role of oral bacteria. J Oral Microbiol. 2010; 2. doi: 10.3402/jom.v2i0.5781.
 [5] Karpiński T. M. (2019). Role of Oral Microbiota in Cancer Development. Microorganisms, 7(1), 20. <https://doi.org/10.3390/microorganisms7010020>