



Dementia

Bacteria such as *P. gingivalis* and *T. denticola* have been found in the plaques of Alzheimer's patients. It is thought that these bacteria travel from the mouth to the brain to cause both inflammation and plaques.



Cardiovascular Disease

Bacteria from the mouth that travels to the heart can cause inflammation. This inflammation has been shown to exacerbate cardiovascular disease and contribute to heart attacks. Such bacteria include *T. forsythia*, *A. actinomycetemcomitans*, *T. denticola*, and *P. gingivalis*.



Cancers

Multiple studies of colon cancer, pancreatic cancer, and cancers of the the GI tract, head, and neck have identified inflammation caused by periodontal disease—or tumors containing bacteria associated with periodontal disease. These bacteria include *F. nucleatum*, *P. gingivalis*, and *T. forsythia*.



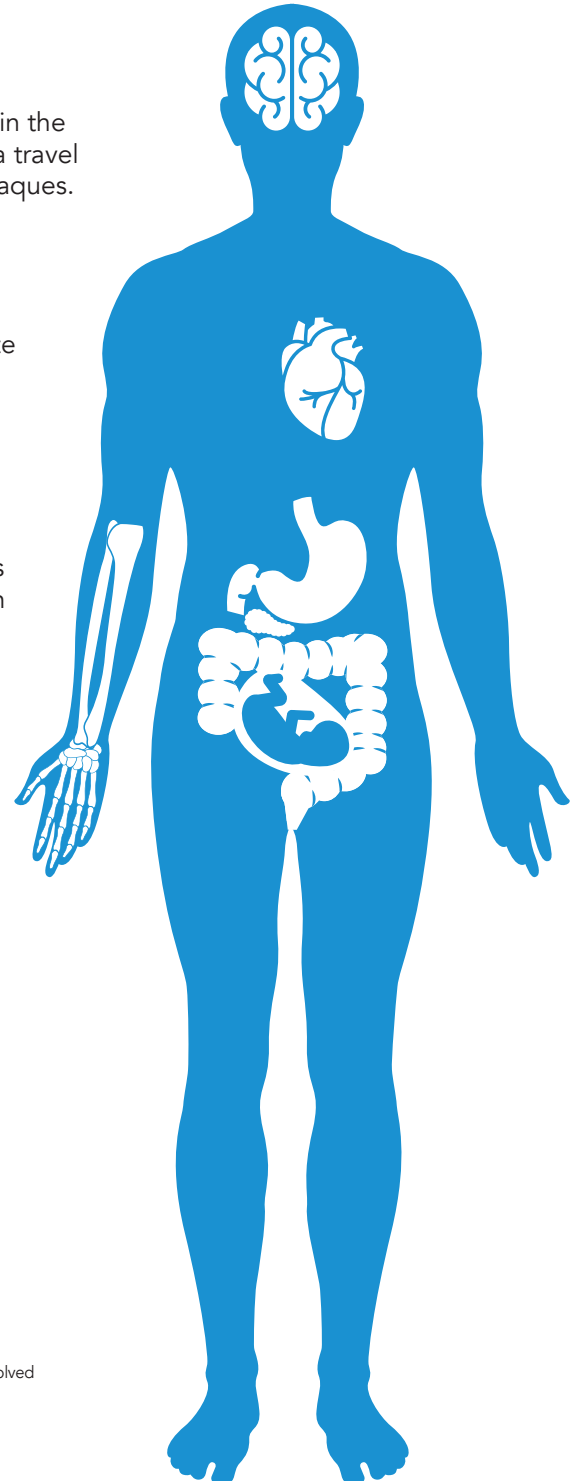
Pregnancy

Bacteria associated with periodontal disease has been shown to be a risk factor for pre-term birth and decreased birth weight. These bacteria include *F. nucleatum*, *P. micros*, and *C. rectus*.



Musculoskeletal Disease

Bacteria associated with periodontal disease has been shown to cause inflammation and immunological responses that may cause or exacerbate rheumatoid arthritis. These bacteria include *P. gingivalis*.



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2. Krishnan K, Chen T, Paster BJ. A practical guide to the oral microbiome and its relation to health and disease. Oral Dis. 2017 Apr;23(3):276-286. doi: 10.1111/odi.12509. Epub 2016 Jul 4. PMID: 27219464; PMCID: PMC5122475.
3. Matsushita K, Yamada-Furukawa M, Kurosawa M, Shikama Y. Periodontal Disease and Periodontal Disease-Related Bacteria Involved in the Pathogenesis of Alzheimer's Disease. J Inflamm Res. 2020;13:275-283. Published 2020 Jun 30. doi:10.2147/JIR.S255309.