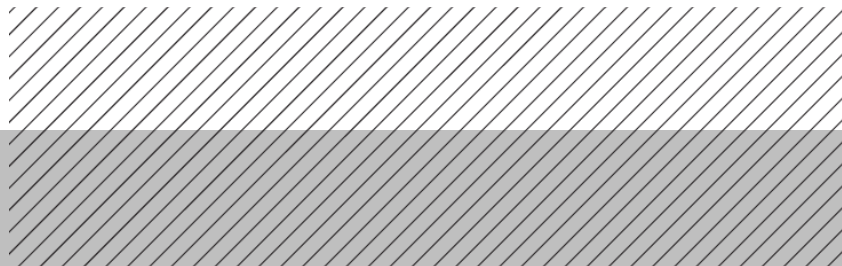


# Prevention and Treatment of Periodontal Disease

**Presentation by:** Macey Aucoin, Jada Castille, Alyssa Coscino,  
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School of Allied Health

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# PICO Research Question:

What prevention and treatment of Periodontal Disease has translated to more effective oral health in the adult population?



# Sub Questions



What is periodontal disease and how is it staged/classified?



What at home routine (primary care) is most effective?



What is the long-term treatment plan in affected individuals?

Scottish Dental Clinical Effectiveness Programme, 2015.

Salzer, Sonja, et al. 2020.

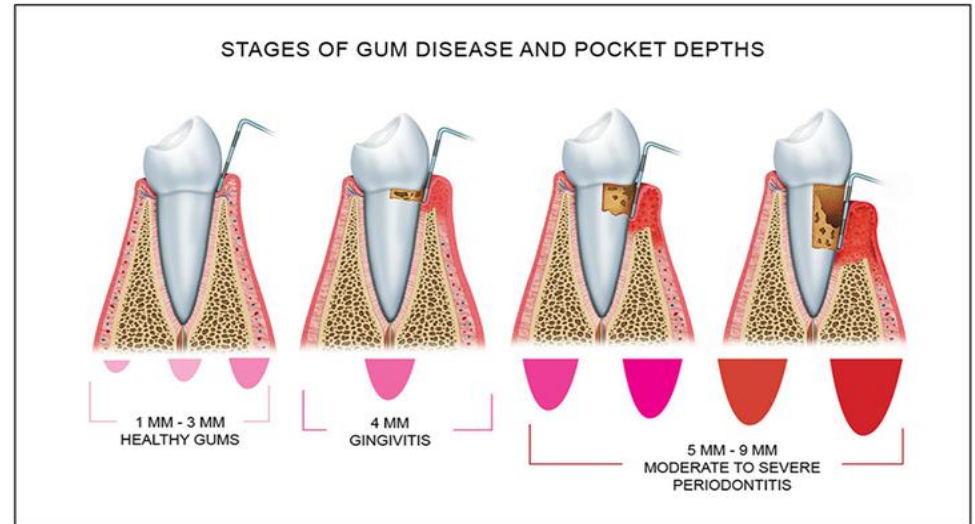
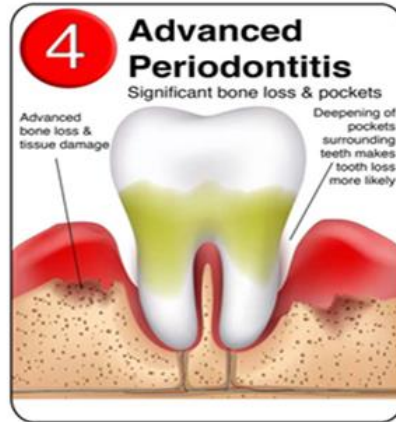
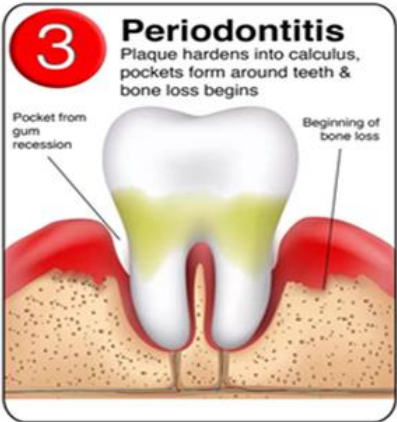
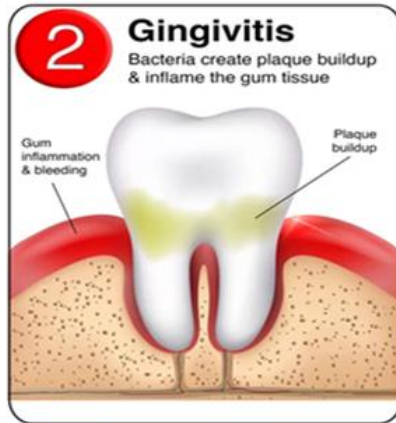
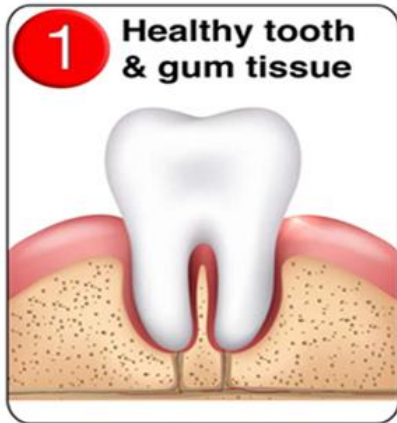
Stewart B;Shibli JA;Araujo M;Figueiredo LC;Panagakos

F;Matarazzo F;Mairink R;Onuma T;Faveri M;Retamal-Valdes

B;Feres M;. (2019, October 24).



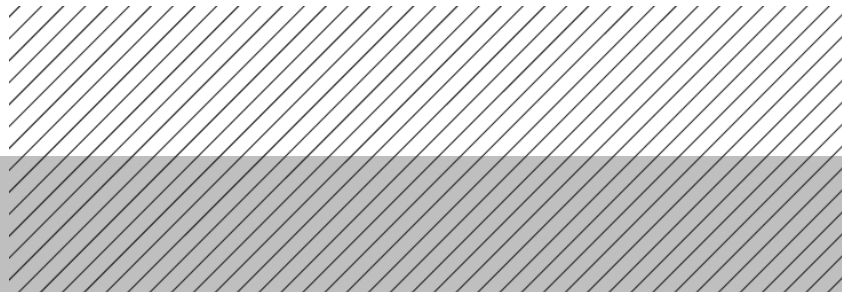
# What Happens with Periodontal Disease?



# Methods

- PubMed, Google Scholar, DentalCare.com, American Dental Association, JADA, and Cochrane Library.
- 2005-2020 (change over time)
- Randomized Controlled Trials (RCT), cohort studies
- Appraisal checklist/critique: currency, accuracy, validity, etc

Gugerli, P., Secci, G., &  
Mombelli, A. (2007, April  
01),  
Rashed, H. (2016), Riley,  
Philip, and Thomas  
Lamont. (2013)





# Results



Powered toothbrush =  
reduced BI & plaque

Triclosan+copolymer+FL  
tp= reduced BI & much  
lower plaque

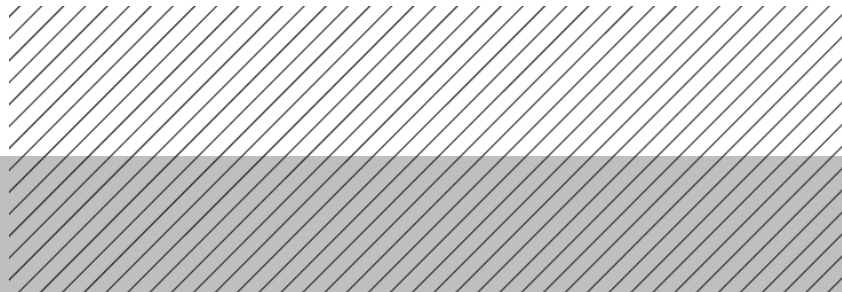
Loc. mild-mod.  
Perio=SRP w CHX  
gluconate reduced gingival  
index, PD, & clinical AL



# Discussion

- Initial Hypothesis and findings
- Impact on patient ed
- Impact on clinician
- Impact on community and those we may not see as patients

Worthington, Helen V, et  
al.2019.



# Conclusion

Overall, research shows that primary care or at home routine oral hygiene plays a vital role in preventing periodontal disease. This includes products such as a powered toothbrush, toothpaste containing 0.3% Triclosan, and Chlorhexidine mouthwash. In addition, these are also beneficial post-care products following nonsurgical periodontal therapy such as scale and root planning.

