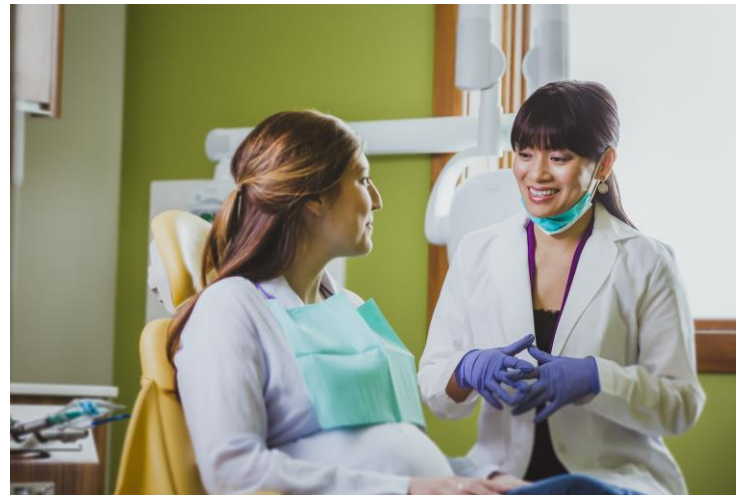


Exploring New Perinatal Oral Health Resources

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Healthy Mothers Healthy Babies Coalition of Hawaii



Oral Diseases and Outcomes

- Plaque → Tartar or Calculus → Caries
 - Evidence suggests that most infants and young children acquire caries-causing bacteria from their mothers
 - Tooth abscess
- Gingivitis (gum inflammation) → Periodontitis (gum disease)

- Pregnancy Oral Tumors

- Tooth Loss

- Poor Birth Outcomes



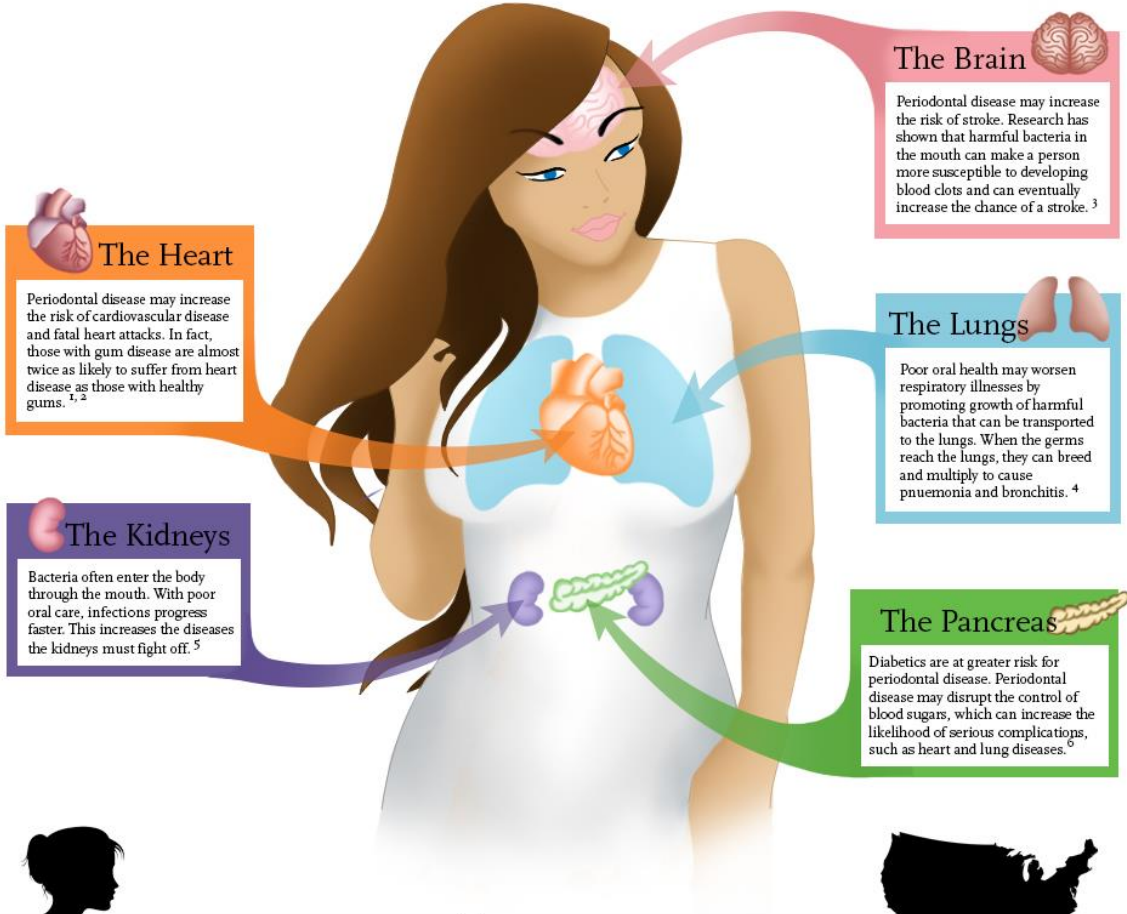
Healthy Gums → Gingivitis → Periodontitis → Advanced Periodontitis

Healthy Mouth, Healthy Body



How Oral Health Affects Overall Health

"Over the teeth, past the gums, look out body, here it comes!"



The Brain

Periodontal disease may increase the risk of stroke. Research has shown that harmful bacteria in the mouth can make a person more susceptible to developing blood clots and can eventually increase the chance of a stroke. ³

The Heart

Periodontal disease may increase the risk of cardiovascular disease and fatal heart attacks. In fact, those with gum disease are almost twice as likely to suffer from heart disease as those with healthy gums. ^{1,2}

The Kidneys

Bacteria often enter the body through the mouth. With poor oral care, infections progress faster. This increases the diseases the kidneys must fight off. ⁵

The Lungs

Poor oral health may worsen respiratory illnesses by promoting growth of harmful bacteria that can be transported to the lungs. When the germs reach the lungs, they can breed and multiply to cause pneumonia and bronchitis. ⁴

The Pancreas

Diabetics are at greater risk for periodontal disease. Periodontal disease may disrupt the control of blood sugars, which can increase the likelihood of serious complications, such as heart and lung diseases. ⁶

For the Ladies:

Mothers-to-be are more likely to have a pre-term birth when they have periodontal disease than mothers-to-be that have healthy gums. ⁷

Women who have periodontal disease also have a higher incidence of breast cancer. ⁸

Fast Facts:

A survey of 1,000 people over the ages of 35 found that 60% of those surveyed knew very little, if anything at all; about gum disease. ⁹

More than 8% of American adults between the ages of 20 and 64 suffer from periodontal disease. ¹⁰

Nearly 75% of all American adults suffer from various forms of gum disease and they don't even know it! ¹¹

Sources:
 1: <http://www.perio.org/consumer/mbc.heart.htm>
 2: <http://www.medicalnewstoday.com/releases/221159.php>
 3: <http://www.perio.org/consumer/mbc.heart.htm>
 4: <http://www.perio.org/consumer/mbc.respiratory.htm>
 5: <http://www.perio.org/consumer/kidney-disease.htm>
 6: <http://www.perio.org/consumer/mbc.diabetes.htm>
 7: <http://www.adha.org/downloads/ACC0508Supplement.pdf>
 8: <http://www.ncbi.nlm.nih.gov/pubmed/20960226>
 9: <http://worldental.org/gums/swollen-gums-a-serious-threat-to-your-teeth-2/275/>
 10: <http://www.nidcr.nih.gov/DataStatistics/FindDataByTopic/GumDisease/PeriodontalDiseaseAdults20to64>
 11: <http://www.adha.org/oralhealth/adults.htm>

Source: <http://www.deltadentaliablog.com/2012/09/your-mouth-affects-your-whole-body/>

Prenatal Oral Health Visits

- **US:** 56% of mothers did not receive dental care (ACOG, 2007-2009)
- **Hawaii:** 43% prevalence of dental visits during pregnancy
- Lowest reported estimates of dental visits during pregnancy:
 - **Race/Ethnicity:** Samoan (27%), Hawaiian (34%), Filipino (35%), and those in the “All Others” (33%) category
 - **Age:** <20 years (33%) and 20-24 years (29%)
 - **Counties:** Hawai'i (31%) and Kauai (36%)

Dental Insurance Coverage

Hawaii

- Medicaid Fee-For-Service
- Not mandatory for insurers to provide coverage under the ACA



California

- Denti-Cal
- Pregnancy-related services and treatment for conditions that may complicate pregnancy
- Benefits for pregnant and postpartum women

Barriers To Receiving Oral Health Services

- Lack of knowledge of the importance of oral health
- Insurance*
- Out of pocket expenses*
- Scheduling difficulties
- Transportation issues*
- Providers unwilling to provide oral care to pregnant women*



* SurveyMonkey Results

What is Currently Being Done

- Discussions at OB visit or preconception visit*
- Video and frequent dental care discussion*



**Is or has your organization done something different?
Please share.**

*SurveyMonkey Results

Future Directions and Strategic Planning Efforts

- Strategic planning
- Discussions and partnerships with insurance providers
- Training oral health professionals, OB/GYNs, and additional support staff
- Policy development



Available Resources

1. Oral Health Care During Pregnancy: A National Consensus Statement – Summary of an Expert Workgroup Meeting
 - Tips for Good Oral Health During Pregnancy
2. Oral Health Care During Pregnancy – A Summary of Practice Guidelines
3. Access to Oral Health Care During the Perinatal Period – A Policy Brief
4. A Healthy Smile for Your Baby – Tips to Keep Your Baby Healthy

Facilitated Discussion

What kind of oral health needs or concerns during pregnancy have clients or staff identified?

- Routine cleanings*
- Dental Caries and cavity fillings; abscess; root canals; teeth extractions*
- No insurance*
- Preventive care before, during, and after pregnancy*
- Limited access*

*SurveyMonkey Results

Where are you/your staff referring pregnant patients with oral health concerns?

- List based on insurance*
- FQHC's that have dental programs – Waimanalo, Waianae, Kalihi Palama, KKV*
- To their routine dentist*

*SurveyMonkey Results

How should oral health education be presented to OBs and other providers who see pregnant women?

Please share your ideas.

What types of prenatal oral health outreach materials and/or services are needed?

Please share your ideas.

References

- Hawai'i PRAMS. *Hawai'i PRAMS Trend Report 2000-2008*. Honolulu, HI. Hawai'i Department of Health. Family Health Services Division. August, 2010.
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Thank you for your time and Participation!

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healthymothers

healthybabies

COALITION OF HAWAII