

**Caries Risk Assessment Form for Ages 6 Years Through Adult**

**Extreme Caries Risk (High risk plus severe xerostomia):**

Dear \_\_\_\_\_ (patient’s name),

You have been assessed at extreme risk of new dental decay in the near future because you have several decay risk factors and you have severe “dry mouth” we want you to move to a safer situation to avoid new decay if at all possible. Please do the following:

- Complete a Caries Bacterial Test with us today (as a base line before antibacterial therapy). We will know the result in 3 days.
- Complete a saliva flow measurement to confirm your extreme dry mouth. This is a very simple test that we will do today as part of the bacterial assessment
- Review with us your dietary and oral hygiene habits, and receive oral hygiene instructions. The most important thing is to reduce the number of between meal sweet snacks that contain carbohydrates, especially sugars. Substitution by snacks rich in protein, such as cheese will also help. So will the xylitol gum or candies recommended below.
- Brush twice daily with a new strong toothpaste, either Control Rx or Prevident Plus toothpaste (5000 ppm fluoride) that we will provide you with today. This is to be used twice daily in place of your regular toothpaste
- Rinse for one minute, once a day with a special antibacterial mouth rinse that we will provide you with today. It is called Peridex or Perioguard and has an active ingredient called chlorhexidine gluconate at 0.12%. You will use this once daily last thing at night (10 ml for one minute), but only for one week each month. You must use this at least one hour after brushing with the 5000 ppm F toothpaste.
- We will apply fluoride varnish to all of your teeth
- We will perform the necessary restorative work, as needed, in a minimally invasive fashion
- We recommend that you suck or chew xylitol mints or gum 4 times daily. You can obtain supplies from us today, or we can help you buy these elsewhere
- We will carry out a thorough professional cleaning during your current visit.
- We will apply sealants on all of the biting surfaces of your back teeth to keep them from being re-infected with the bacteria that cause dental decay
- Please use a baking soda rinse 4-6 times daily during the day. You will make this yourself by shaking up 2 teaspoons of baking soda in an 8 oz bottle of water
- Please return when called for a re-evaluation in about one month
- Please return when requested for a Periodic Oral Exam in 3 months
- We will do another Caries Bacterial test at the 3 month visit to compare results with your first visit to check whether the chlorhexidine is working satisfactorily
- We will review your use of Chlorhexidine and Control Rx/Prevident and oral hygiene at that visit
- We will do a thorough professional cleaning at the 3 month visit
- We will do another fluoride varnish treatment of all teeth again at 3 month visit and another set of bitewing x-rays at 6 months
- We may also provide you with a product called MI paste and a custom tray. You will use this product for 5 minutes once a day after you have used the fluoride toothpaste during the 3 weeks when you are not using the chlorhexidine rinse.
- We will provide you with a timetable to help you to remember all of these procedures
- Get new bitewing radiographs (x-rays) about every 18-24 months to check for cavities

Although this sounds like a lot of things to do and to remember this intensive therapy is necessary to stop the rapid destruction of your teeth. Please help us to help you.

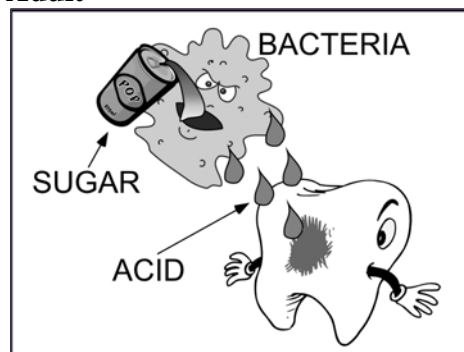
**Student signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Patient signature** \_\_\_\_\_ **Date** \_\_\_\_\_

## Caries Risk Assessment Form for Ages 6 Years Through Adult

### How Tooth Decay Happens

Tooth decay is caused by certain types of bacteria (mutans streptococci and Lactobacilli) that live in your mouth. When they attach themselves to the teeth and multiply in dental plaque, they can do damage. The bacteria feed on what you eat, especially sugars (including fruit sugars) and cooked starch (bread, potatoes, rice, pasta, etc.). Within about 5 minutes after you eat, or drink, the bacteria begin producing acids as a by-product of their digesting your food. Those acids can penetrate into the hard substance of the tooth and dissolve some of the minerals (calcium and phosphate). If the acid attacks are infrequent and of short duration, your saliva can help to repair the damage by neutralizing the acids and supplying minerals and fluoride that can replace those lost from the tooth. However if: 1) your mouth is dry, 2) you have many of these bacteria, or 3) you snack frequently; then the tooth mineral lost by attacks of acids is too great, and cannot be repaired. This is the start of tooth decay and leads to cavities.



### Methods of Controlling Tooth Decay

**Diet:** Reducing the number of sugary and starchy foods, snacks, drinks or candies can help reduce the development of tooth decay. That does not mean you can never eat these types of foods, but you should limit their consumption particularly when eaten between main meals. A good rule is 3 meals per day and no more than 3 snacks per day.

**Fluorides:** Fluorides help to make the tooth more resistant to being dissolved by the bacterial acids. Fluorides are available from a variety of sources such as drinking water, toothpaste, over-the-counter rinses, and products prescribed by your dentist such as brush-on gels used at home or gels and foams applied in the dental office. Daily use is very important to help protect against the acid attacks.

**Plaque removal:** Removing the plaque from your teeth on a daily basis is helpful in controlling tooth decay. Plaque can be difficult to remove from some parts of your mouth especially between the teeth and in grooves on the biting surfaces of back teeth. If you have an appliance such as an orthodontic retainer or partial denture remove it before brushing your teeth. Brush all surfaces of the appliance also.

**Saliva:** Saliva is critical for controlling tooth decay. It neutralizes acids, and provides minerals and proteins that protect the teeth. If you cannot brush after a meal or snack, you can chew some sugar-free gum. This will stimulate the flow of saliva to help neutralize acids and bring lost minerals back to the teeth. Sugar-free candy or mints could also be used, but some of these contain acids themselves. These acids will not cause tooth decay, but they can slowly dissolve the enamel surface directly over time (a process called erosion). Some sugar-free gums are designed to help fight tooth decay and are particularly useful if you have a dry mouth (many medications can cause a dry mouth). Some gums contain baking soda that neutralizes the acids produced by the bacteria in plaque.

**Gum that contains Xylitol as its first listed ingredient is the gum of choice.** If you have a dry mouth, you could also fill a drinking bottle with water and add a couple tea spoons of baking soda for each 8 ounces of water and swish with it frequently throughout the day. Toothpastes containing baking soda are also available by several companies.

**Antibacterial mouth rinses:** Rinses that your dentist can prescribe are able to reduce the numbers of bacteria that cause tooth decay and can be useful in patients at high risk for tooth decay.

**Sealants:** Sealants are plastic coatings bonded to the biting surfaces of back teeth to protect the deep grooves from decay. In some people the grooves on the surfaces of the teeth are too narrow and deep to clean with a toothbrush, so they may decay in spite of your best efforts. Sealants are an excellent preventive measure used for children and young adults at risk for this type of decay.