**NR586NP Application of Epidemiology**

**Name**:

 **General Instructions**

Carefully read the assignment guidelines and rubric and complete each section of the worksheet below using complete sentences. Integrate sufficient scholarly literature to support the information presented.

**Include the following sections:**

**Prevalent Infectious and Chronic Diseases**

1. Describe the selected geographic region.
2. Identify the prevalent infectious and chronic diseases in the region.
3. Compare and contrast the prevalence of diseases in the selected region with disease rates and trends in a different geographic area of your choosing, noting similarities and differences.
4. Discuss the variables that contribute to the noted similarities and differences.

**Application of the Epidemiological Model**

1. Select and describe one of the prevalent diseases noted in the previous section.

1. Discuss physical and social determinants of health that influence the disease process.
2. Identify and explain one epidemiological model which will be applied to the selected disease (i.e., Epidemiological Triangle, Web of Causation, or another legitimate epidemiological model).
3. Apply the epidemiological model to the selected disease in a well-developed, comprehensive manner, addressing the entire model.

**Levels of Prevention**

1. Explain the levels of prevention used within population health practice.
2. Discuss one primary prevention to address the disease.
3. Discuss one secondary prevention to address the disease.
4. Discuss one tertiary prevention to address the disease.

**Reflection**

1. Describe how the advanced practice nurse can monitor the application and efficacy of the prevention strategy.
2. Discuss how you will apply the identified prevention strategies in your practice.
3. Reflect on what you have learned from this assignment.

**References**

Submit your completed assignment to the Week 4 Dropbox.