

**Clinical Case Study Scenario:**

You are a pathologist working in the lab at Daigger Memorial Hospital (located in central Oregon). The emergency room is sending you cultures collected from patients. Your job is to determine:

1. The pathogenic bacteria causing the disease
2. What disease is being presented
3. What is the best treatment given the patient's unique symptoms and history

Review the patient assessment form provided. Consider the type of sample taken and determine the relevant primary and secondary symptoms. Generally, samples taken in a clinical setting contain multiple organisms. In this case study, the sample will contain one contaminant organism and one causative agent.

*Note: Watch for allergies. These may affect the appropriate treatment you will prescribe for the patient.*

For some diseases, an irregularity in pulse or respiration, for example, may be indicative of the seriousness of the illness or may even be a direct indicator of the disease presented. Therefore, it is important that you understand what is considered "Within Normal Limits" for all assessment areas on the patient assessment form. Familiarize yourself with the acceptable normal ranges for pulse, respiration, oxygen saturation, blood pressure, and temperature for the age group your patient falls within. Helpful links are provided on the TMCC Microbiology Lab Website under the Useful Links portion.

**Patient Assessment Forms:**

- [Case Study 1](#)
- [Case Study 2](#)
- [Case Study 3](#)
- [Case Study 4](#)
- [Case Study 5](#)
- [Case Study 6](#)
- [Case Study 7](#)
- [Case Study 8](#)
- [Case Study 9](#)
- [Case Study 10](#)
- [Case Study 11](#)
- [Case Study 12](#)

**Feedback (optional)**

Since this is a new design of Case Studies, your feedback would be appreciated. Let us know what worked and what didn't work. Your suggestions are welcome. Email your comments to [preplab@tmcc.edu](mailto:preplab@tmcc.edu). Thank you!

**Designing a Case Study (Optional)**

All patients, along with their clinical symptoms and history, are fictitious but represent possible real life scenarios. Some are even inspired by or based on real people but with name and other identifying information altered. Perhaps you know someone who has been treated for a bacterial infection that would make a good case study for future use. What were their symptoms, diagnosis, and treatment? Were there special considerations? Please omit any names, or give a fictitious name. Email your suggestions to [preplab@tmcc.edu](mailto:preplab@tmcc.edu). Thank you!