**Name:** Dr. Kathleen Ronca, Hostos Community College

**QR Assessment Results**

1. **All 34 students answered the questions correctly. (see attachment)**

**2a. Knowledge and Conceptual Understanding Learning Goal** – All 34 students were able to select and analyze data from urine culture and sensitivity reports, and provided bar graphs depicting the results.

**2b**. **Thinking and Other Skills Learning Goal** – All 34 students understood the importance of making appropriate quantitative calculations before they interpret and administer antibiotics for urinary tract infections.

**2c. Attitudes, Values, Dispositions and Habits of Mind Learning Goal** – All 34 students explained the use of antibiotics for urinary tract infections based on an informed opinion from data on culture and sensitivity reports

1. My QR goal was to have my pediatric nursing students think critically while applying basic mathematic and statistical skills to interpret data, solve problems and draw conclusions. I wanted my students to be able to draw a conclusion and explain the results and support their findings. To accomplish this, students were assigned to graph the susceptibility of E. Coli bacteria to antibiotics based on a provided table of culture results. Students were asked to show bar graphs and explain which antibiotics are best and why? The students were instructed to do the assignment in either MS Word or MS Excel and submit the file to blackboard. This simple assessment adequately measured the effectiveness of the instructional activities. The QR learning goals which I set were met and the results exceeded expectations. All 34 students understood the information and correctly interpreted the data provided in the table. On completion of the task students selected and analyzed data from urine culture and sensitivity reports, made appropriate quantitative calculations and explained the use of antibiotics for urinary tract infections based on an informed opinion.

**4**. The instructional and assessment materials developed in the NICE program were both helpful and effective. All 34 students in the class estimated and evaluated the validity and reasonableness of results correctly. All 34 students effectively communicated quantitative concepts using standard written English and correct mathematical syntax. I will use this assignment in future classes and adapt the use of graphs and tables to simplify complex materials in other classes.

Graph the susceptibility of the E. Coli bacteria to the antibiotics based on the attached chart data.  Please show bar graphs and explain which antibiotics are best and why?  Do this assignment in either MS Word or MS Excel and attach your file.