Survey of Student Nurses of Etiologies for Antibiotic Resistance

In this two-question survey, the topic being investigated is the working beliefs on what the etiology/cause is for antibiotic resistance.

1. Please *select all that apply* from the options below as to *what <u>you</u> believe the cause(s) is/are* for bacterial antibiotic resistance:

☐ Chemical countermeasure compounds that the bacteria generate are able to defeat the antibiotic medications (making them ineffective).

☐ The creation of biofilms can prevent antibiotic medication from reaching the bacteria inside.

☐ Protein pumps in the bacteria that allow it to efflux (pump) out antibiotic medications designed to kill them.

☐ Random mutation of bacteria genes accelerate the evolution of bacteria to defend themselves.

☐ Bacteria have alternate pathways to utilize for necessary metabolic functions that the antibiotic medications are designed to block.

☐ Patients not taking a course of antibiotics to its full prescribed duration.

☐ Higher acuity of patient presentations in contemporary clinical setting.

☐ Selective pressure from the overuse of antibiotic medications and antiseptic cleansers make bacteria develop new antibiotic resistance (e.g. “dose-response”).

☐ Something to do with the genetics of the bacteria itself that it has or picked up.

☐ Overuse of antibiotics in agriculture.

☐ None of these.

☐ I do not have enough information to answer the question.

☐ I did not understand the question being asked.

2. In the Carroll College nursing program, I am a (please select one):

☐ Sophomore ☐ Junior ☐ Senior