



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Esther Razo	Project Number J1731
Project Title Doorknobs of Disease	
Abstract Objectives/Goals Do medical office doors carry staph? I hypothesized that at least 3 out of 10 samples would test positive for staph. Methods/Materials Nutrient agar, petri dishes, sterile swabs, distilled water, log book. 20 samples were collected by swabbing local medical office doorknobs. Samples were swabbed into petri dishes and placed in a room temperature location. Daily observations were written in the log book. I had planned to have a microbiology lab test samples but when I called to confirm I was told that I needed to have a current TB test. I was not able to get a TB test in time before the sciend fair due date. Results Visually 4 out of 10 samples had growth on my first group of samples. In the second group of samples 9 out of 10 had growth. Bonnie from the lab suggested I do visual obeservations and a gram stain. I also did a gram stain and 1 sample tested gram negative which means it's not staph but it could be strep. Conclusions/Discussion Unfortunately I was not able to go into the microbiology lab due to regulations. I was able to conduct a 1 gram stain and found it to be gram negative.	
Summary Statement The cleanliness of our local medical office doors.	
Help Received Visited microbiolgy lab under the supervision of Bonnie. Mother provided transportation to medical offices and lab.	