

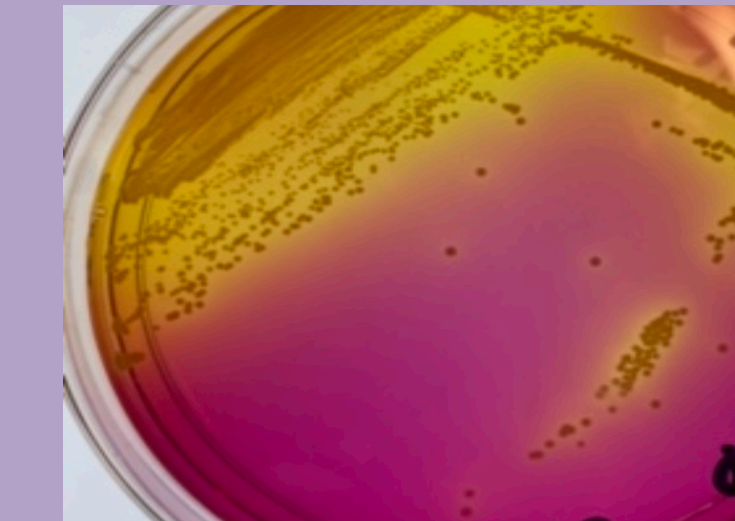


26.6% of tested CSP students are *S. aureus* carriers and about 8.75% of them have taken Antibiotics in the last year of testing time.

My own Study outcomes

Out of the 12 isolates tested: 6 disclosed that they have taken prescribed antibiotic in the last year at the time of testing. This means 50% of the isolates were applicable for doing further investigation on them

Also, on the lab experimental aspect, 3 were done and confirmed positive, 9 have not been confirmed yet .



MSA plate that has been confirmed positive and pure having single yellow colonies.

Acknowledgements

Special thanks to Dr. Brosnahan and Dr. Mach for helpful conversations. Thanks for Skye Martin and Alexandria Rucker for their helpful discussions. This research was partially funded by eight CSP Faculty Development Grants. This work has IRB approval from CSP (studies 2016_42 & 2018_37).

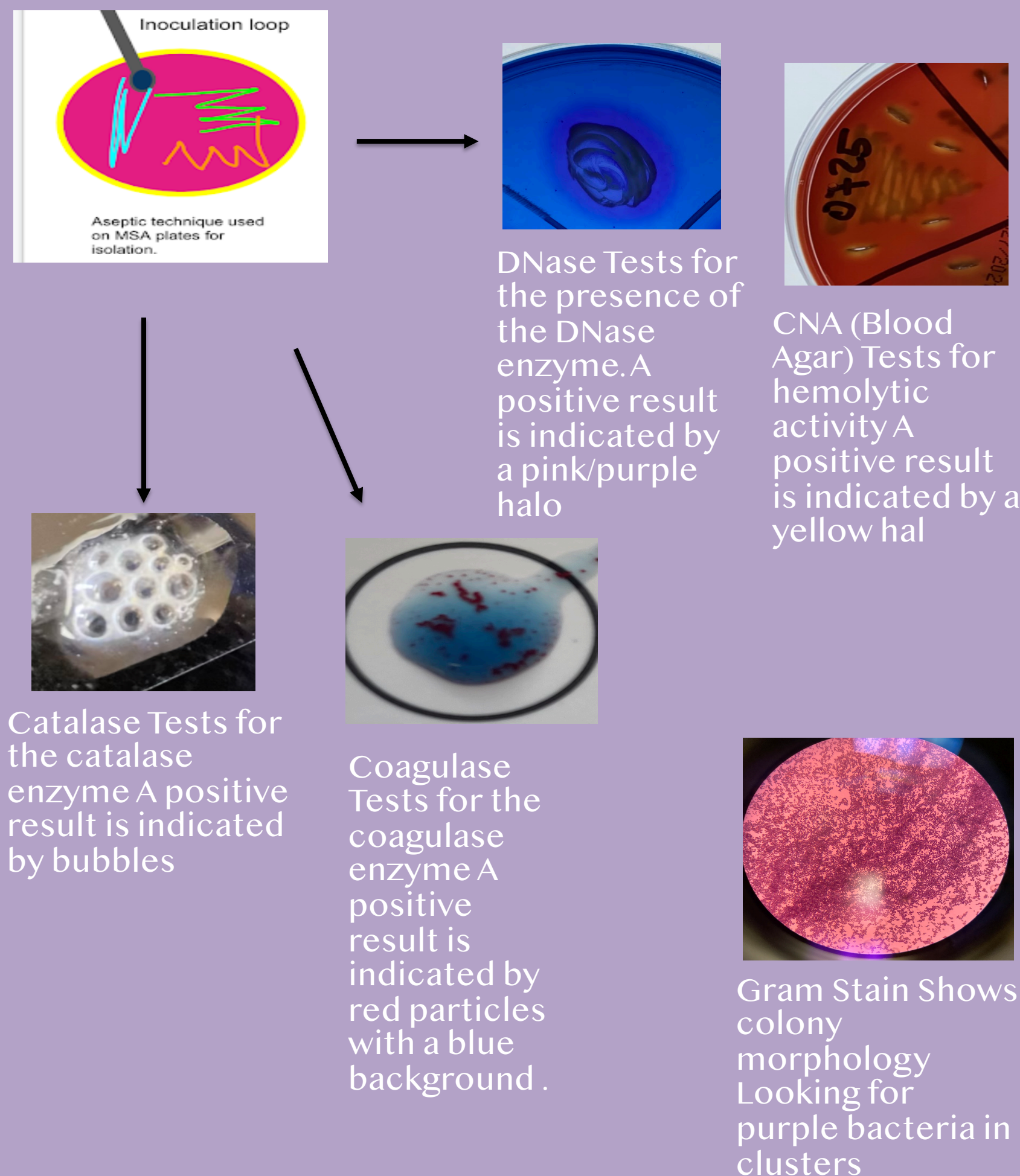
References

- Ugwu, C., Gomez-Sanz, E., Agbo, I., Torres, C., & Chah, K. (2015, July 1). Characterization of mannitol-fermenting METHICILLIN-RESISTANT STAPHYLOCOCCI isolated from pigs in Nigeria. Retrieved April 07, 2021, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4568864/>
- Laboratory testing. (2019, February 06). Retrieved April 07, 2021, from <https://www.cdc.gov/mrsa/lab/index.html>

Introduction

- The study has collected nasal swabs from healthy individuals on Concordia St. Paul Campus (CSP) and
- Staphylococcus aureus* is a commensal and opportunistic bacteria
- Those swabs are tested to determine if they are *S. aureus* and to find statistics of the underlying factors that could lead to this carriage.

Materials & methods



Results

percentage of individuals who took perscribed antibiotics and tested positive for *S. aureus*

