What should we do about MRSA?
(Methicillin-resistant Staphylococcus aureus)

Lovina Hadley

Why is it important?
- 30 hours to grow into a population in which every single base pair in the genome will have mutated 30 times
- 300% increase of MRSA in just 10 years’ time
- About 15,000 people in the United States die every year from MRSA
- Hyper resistant to multiple classes of drugs

Hypothesis
- Continue to create antibiotics
- Create better hospital cleaning strategies
- Stray from antibiotic use and try to find a different alternative

MRSA the Hospital killer
Hypothesis 1: change cleaning regime

Mangrove plant
Hypothesis 3/Conclusion
Review questions

1. What allows for MRSA to gain resistance at such a fast rate
2. Why is creating stronger and better antibiotics only a temporary solution
3. What was the conclusion? What did the mangrove plant study show?