

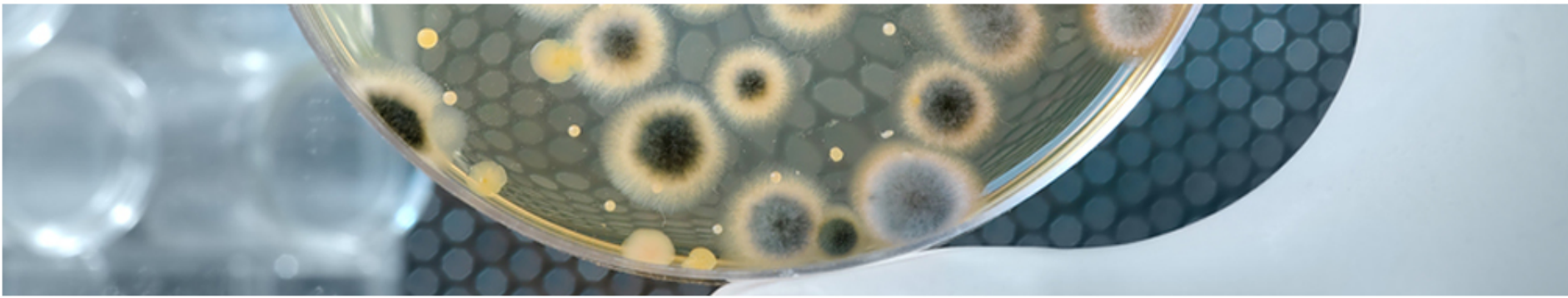
# Why Is Cosmetology Regulated?

Public Health, Community Safety

A close-up photograph of a petri dish containing a bacterial culture. The agar surface is covered with numerous circular colonies of varying sizes and colors, including yellow, black, and grey. The background is a blurred blue and white pattern.

# The Real Risks...

- Risks associated with the transmission of pathogens within the salon have increased substantially due to the following:
  - Antibiotic Resistant Pathogens
  - Pathogens new to this country
  - Limited government resources have led to reduced surveillance
- The economy of the salon has led to reduced adherence to public health considerations, further increasing the risk to the consumer
- Consumers have greater access to information and are more willing to litigate against salons
- The reality of a pandemic hitting the US is very real and containing the spread within a community is vital



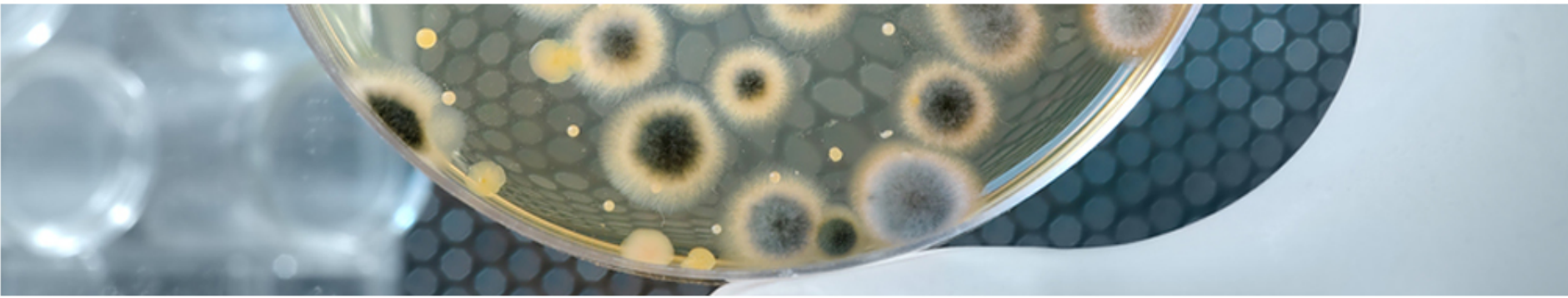
# Why the Public Needs Protection

- Many consumers are at high risk for infection and don't even know it...
  - 72% of diabetics go 5 years before diagnosis...making them at risk
  - All mastectomy patients are at high risk when receiving a manicure
  - Everyone on medications for Asthma, Rheumatoid Arthritis and severe allergy medications have impaired immune systems
- Most consumers are unaware of risk and will price shop
- Infectious illness spread through a salon can affect a whole community quickly
- In the salon, “time is money” so the unregulated salon will avoid the cost in both supplies and time of correct disinfection and the consumer will not know the difference

A close-up photograph of a petri dish containing several bacterial colonies. The colonies are circular and have a fuzzy, white-to-yellow appearance, characteristic of Staphylococcus aureus. They are arranged in a somewhat circular pattern on a dark, textured surface. The lighting is bright, highlighting the texture of the colonies and the metallic rim of the dish.

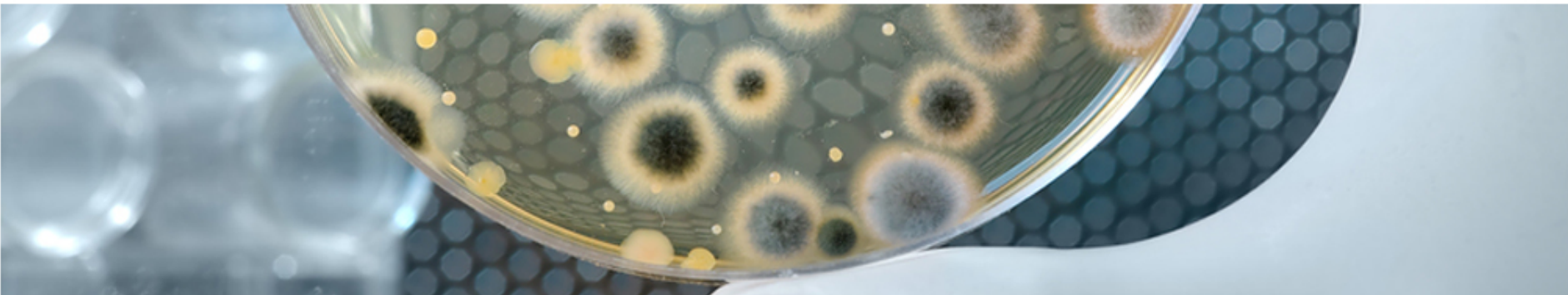
# What Should Scare You

- **MRSA** (Methicillin Resistant Staphylococcus Aureus)
  - The most virulent strains can kill a healthy individual in 48 hours
  - Kills more people annually in the US than AIDS
  - Infection of the foot frequently results in amputation
  - Community Acquired form is much more virulent and contagious
  - Everyone is at risk...all it takes is an opening in the skin and a contaminated object or surface
  - California (2009) Pedicure patron becomes infected with MRSA and dies within 4 days
  - Ohio (2010) Barbershop patron becomes infected with MRSA from contaminated clippers... spends several weeks in the ICU



This.... Becomes...





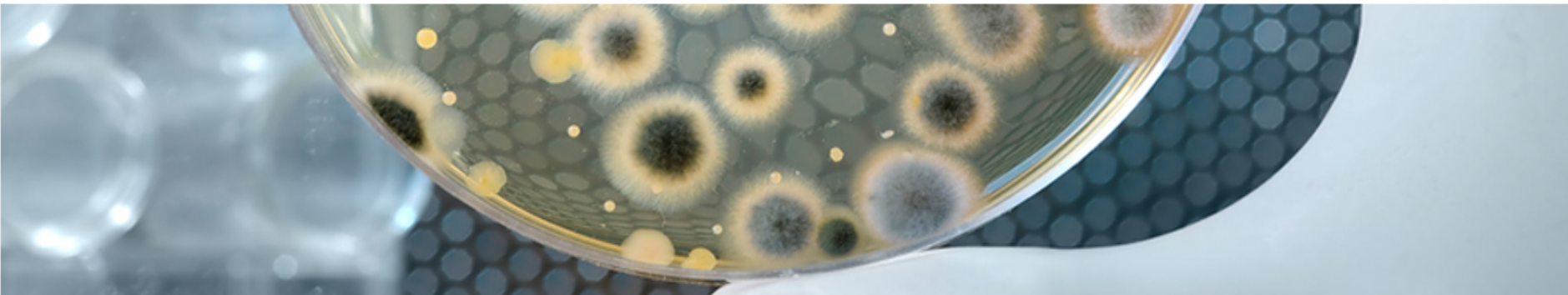
THIS



A close-up photograph of a petri dish containing a bacterial culture. The agar surface is covered with numerous small, circular colonies of varying colors, including yellow, black, and grey. The background is a dark, textured surface.

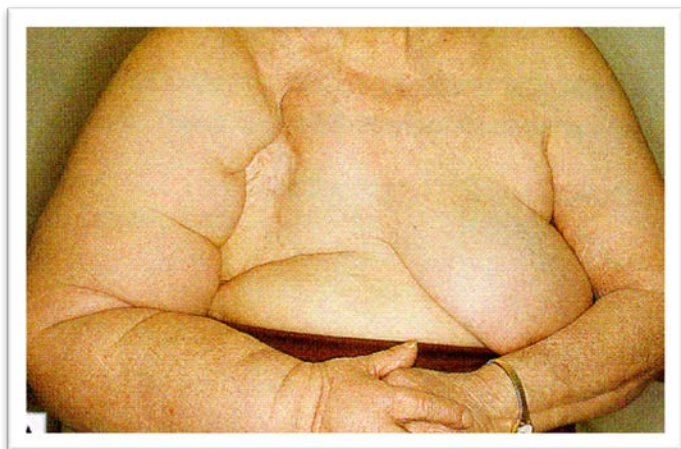
# Hepatitis

- Contagious virus that can severely damage the liver and cause death
- Hepatitis is the leading cause of liver cancer in the US
- Virginia (2011) confirmed case of Hepatitis C transmitted to salon customer during manicure
- "Whether there is sufficient compliance with disinfection requirements is an important variable in the safety of salon and barbershop services from a public health perspective," Dr. David A. Johnson, of Eastern Virginia Medical School, said in an ACG (American College of Gastroenterology) news release...recommends CDC and OSHA regulations
- 4.4 Million Americans have chronic Hepatitis ...over 50% do not know it!



# Cellulitis

- Swelling, redness and thickening of skin created by the spread of infection under the skin – often caused by Staphylococcus (Staph) or Streptococcal bacteria – treated with antibiotics
- In women with mastectomy or lumpectomy can result lymphedema ( swelling of effected limb)

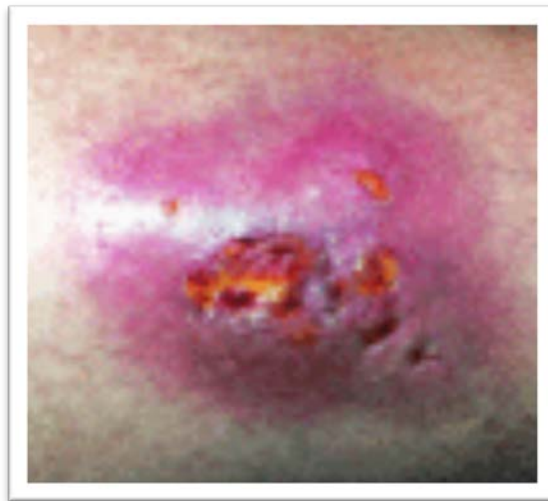




A petri dish containing a culture of Mycobacterium Fortuitum. The colonies are visible as numerous small, circular, yellowish-brown spots with dark centers, scattered across the surface of the agar. The dish is set against a dark, patterned background.

# Mycobacterium Fortuitum

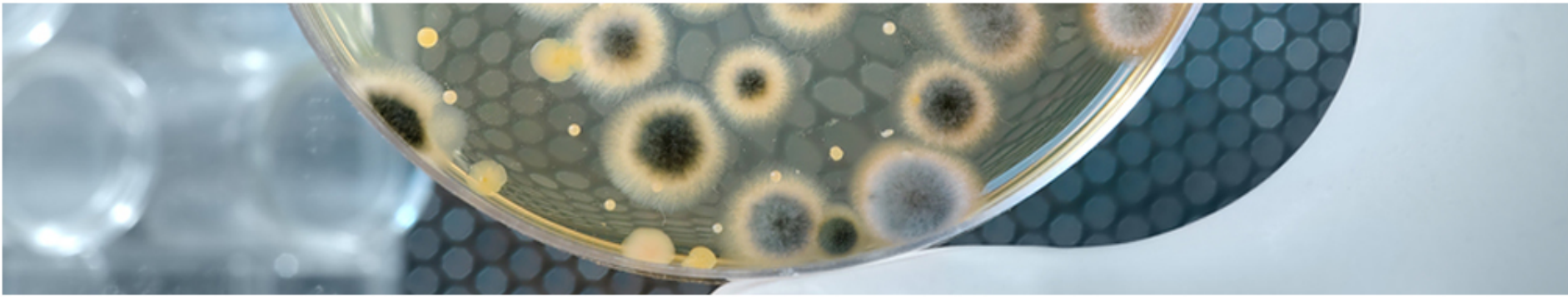
- Thrives in Pedicure environment
- California (2004) 100+ customers at nail salon infected
- Leave patients with scarring and recurring boils and painful lesions
- New strains of Mycobacterium being seen throughout the world



A close-up photograph of a petri dish containing a petri dish with several circular bacterial colonies of varying colors (yellow, black, grey) growing on a dark agar surface. The dish is tilted, and the background is a blurred blue and white pattern.

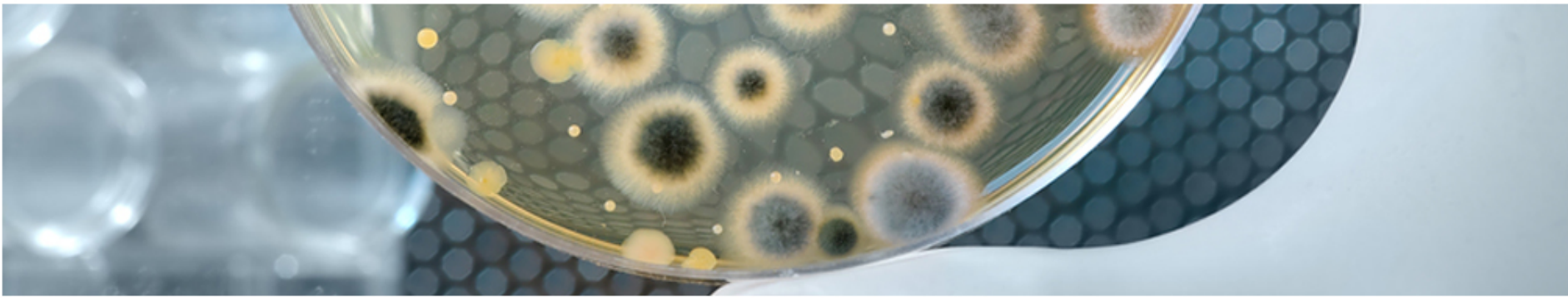
# Where Infections Begin

- Instruments such as clippers, nippers and shears
- Clippers – between the blades
- Tables , headrests and chairs
- Pedicure Bowls
- Manicure tables
- Single Use items used multiple times...Buffers, files, waxing sticks, orange sticks
- Razors
- Extraction instruments
- Unwashed hands



# How States Protect the Public

- Write rules that are clear and outline proper procedure in the salon to prevent the spread of pathogens
- Update laws that require the use of agents that are potentially harmful to the public or the salon employee (phenols, fumigants, MMA)
- Give public easy access to report unsanitary conditions for follow up by the state
- Make public aware of risks and salons that consistently perform poorly on inspection
- Assure that licensees are educated in the services they provide and any potential risk to a consumer



Presentation Prepared By:

Leslie Roste, RN

Director of Education – King Research

Questions?

[lroste@king-research.com](mailto:lroste@king-research.com)