

EVERYTHING YOU NEED TO KNOW ABOUT
Stenotrophomonas maltophilia

WHAT IS *S. MALTOPHILIA*?

Stenotrophomonas maltophilia is a bacteria found in moist environments and plumbing systems and is the cause of a wide range of illnesses such as bacteremia, pulmonary infections, urinary tract infections, meningitis, and many as well as several others.



EXPOSURE

STENOTROPHOMONAS MALTOPHILIA THRIVES IN MOIST ENVIRONMENTS

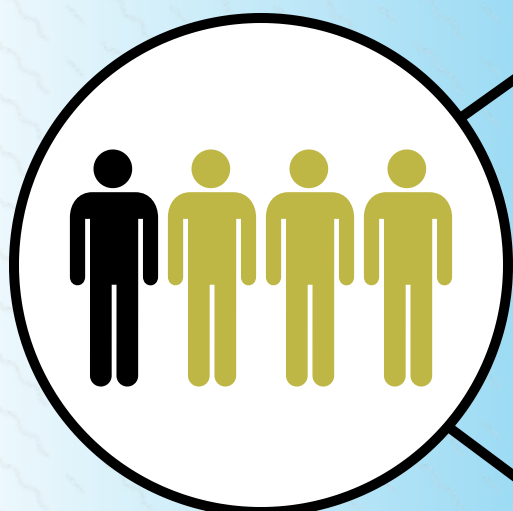
The bacteria thrives in wet and moist environments, soil, or improperly sanitized biotechnology applications. It proliferates rapidly in warm water environments and poses a threat when exposed to humans.



MORTALITY

AS MANY AS **3 IN 4** *S. MALTOPHILIA* CASES RESULT IN DEATH

Infections related to *S. maltophilia* are associated with high morbidity and mortality and primarily affects immunocompromised individuals with co-morbid illnesses such as cystic fibrosis, immunosuppression, or organ transplantation.

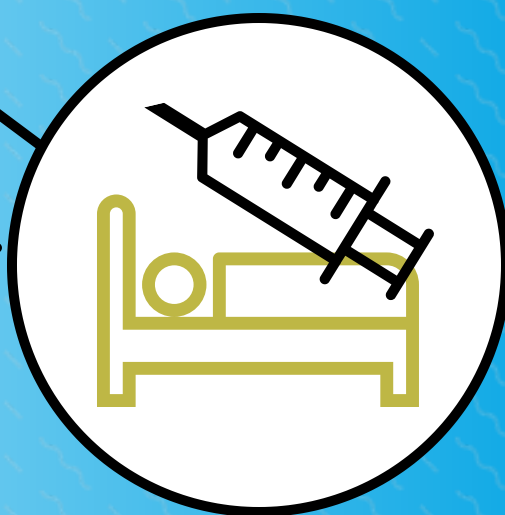


RISK

MOST CASES OF INFECTION OCCUR THROUGH THE USE OF IMPROPERLY SANITIZED HOSPITAL EQUIPMENT

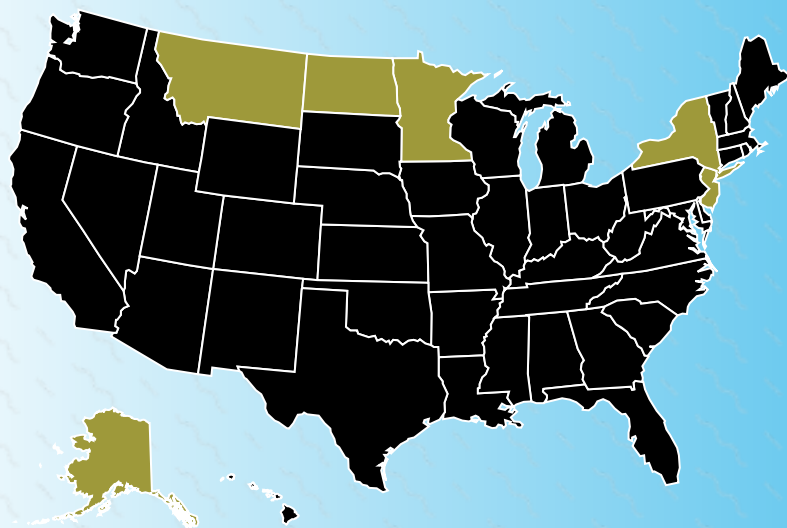
This includes patient-contact equipment such as catheters, I.V. lines, and breathing tubes.

TRANSMISSION: Transmission occurs via direct entry into the body such as by ingesting or bathing with infected water or use of contaminated medical instruments.



RESISTANCE: *S. Maltophilia* has been proven to be very resistant to oxidant treatments such as chlorine.

States with over 10 cases of *S. Maltophilia* per 100,000 individuals



This map represents the rate of instances annually as reported to the National Notifiable Diseases Surveillance System



PREVENTION

Copper Silver Ionization is proven to be one of the most effective technologies for controlling and preventing *S. Maltophilia* in water systems.

DID YOU KNOW?

Although it is associated with high mortality rates in humans, *S. maltophilia* is actually an important part of beneficial plant interactions.

