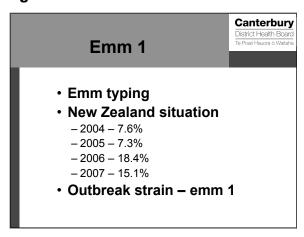
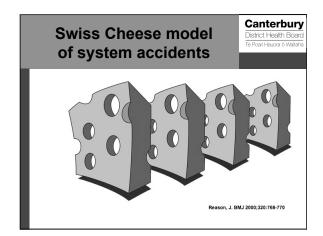
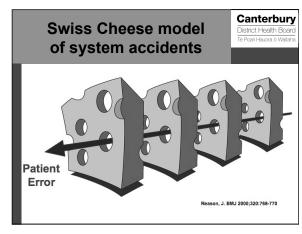
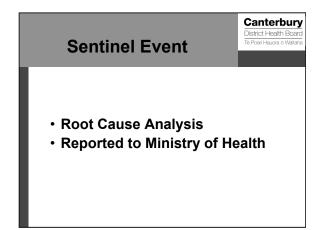


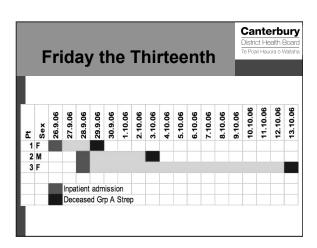
# GAS virulence factors Canterbury District Health Board Te Poor Haucro o Walter's M Proteins - major cell wall constituent ->120 M protein serotypes - M types [emm] 1 and 3 especially virulent Evade phagocytosis Induce tissue destruction Trigger host cytokines release Streptolysins Pyrogenic exotoxins( superantigens)

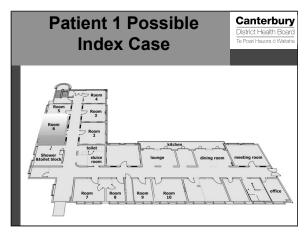


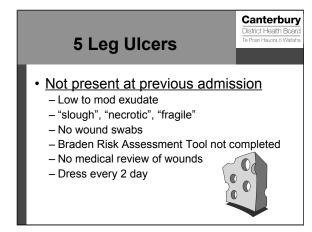


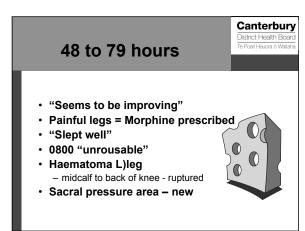


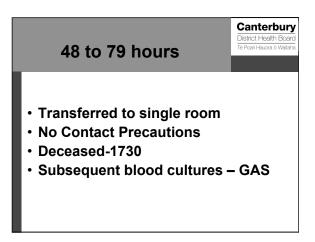


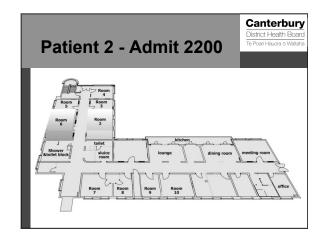


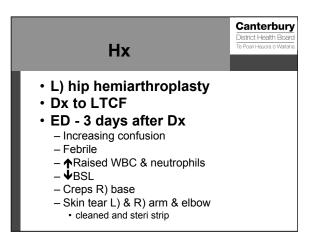


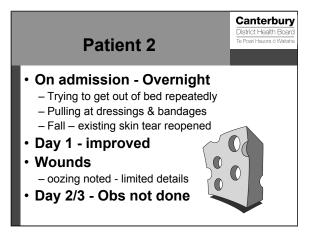


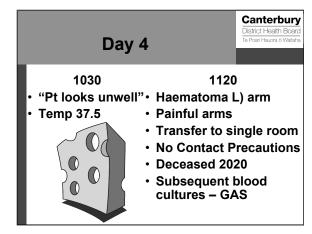


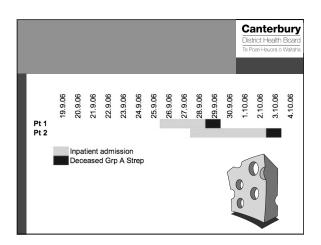


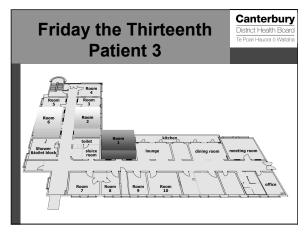


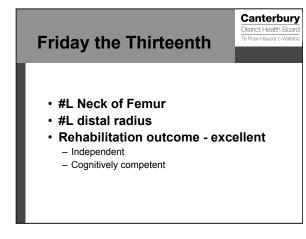


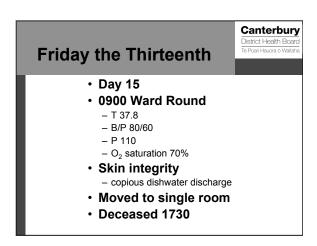


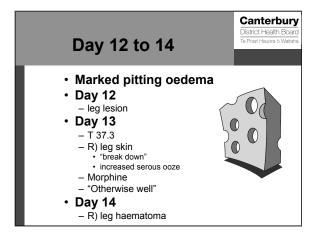


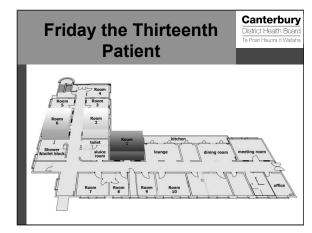


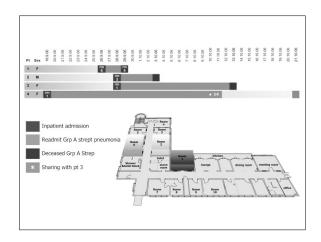


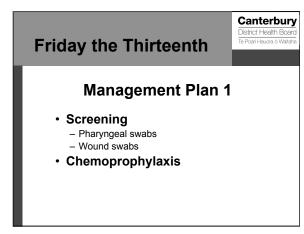


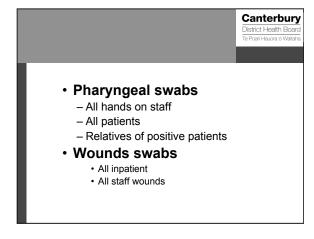


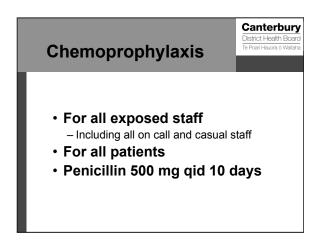




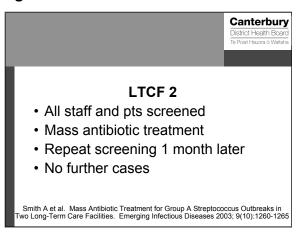


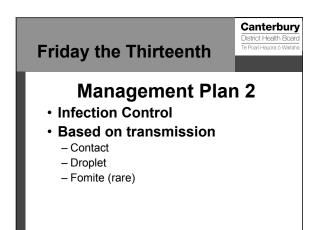


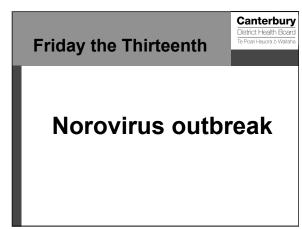


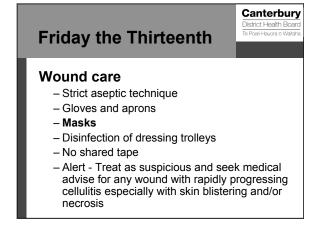


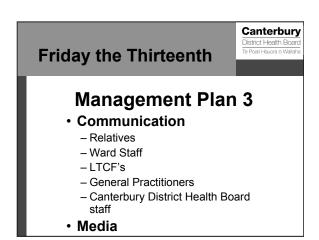
## Two Ontario outbreaks LTCF 1 • 3 outbreaks • First two outbreaks • Screening possible contact with positive cases - Treat positive cases • Treat positive cases • All staff and residents screened and treated - Screening 1 month later - No further cases Smith A et al. Mass Antibiotic Treatment for Group A Streptococcus Outbreaks in Two Long-Term Care Facilities. Emerging Infectious Diseases 2003; 9(10):1260-1265



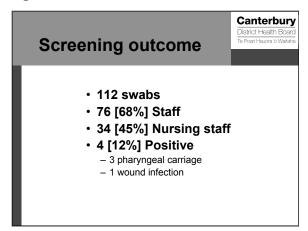












Staff Positive results

- Repeat screening
- 72 hrs post A/B
- 1 month post A/B
- Family screening
- Positive wound swab

Prevalence of infection or colonization

• Smith A et al.

- LTCF 1 outbreak 3

• Residents 2.8%

• Staff 1.5%

- LTCF 2

• Residents 4.7%

• Staff 1.3%

• TPMH

• 8.7% Patients

• 12% or 3.5%

• Smith A et al. Mass Antibiotic Treatment for Group A Streptococcus outbreaks in Two Long-Term Care Facilities. Emerging Infectious Diseases 2003; 9(10):1260-1265

Patient 1
• Staff 1
• Patient 2
• Staff 2, 3, 4
• Patient 3
• Patient 4

Sentinel Event Findings

Canterbury
District Health Board
To Poort House a Wattaba

Clinical practice and knowledge

