

# Pneumococcal Serotypes Causing Empyema In UK Children From The Enhanced Surveillance Programme 2006-2009

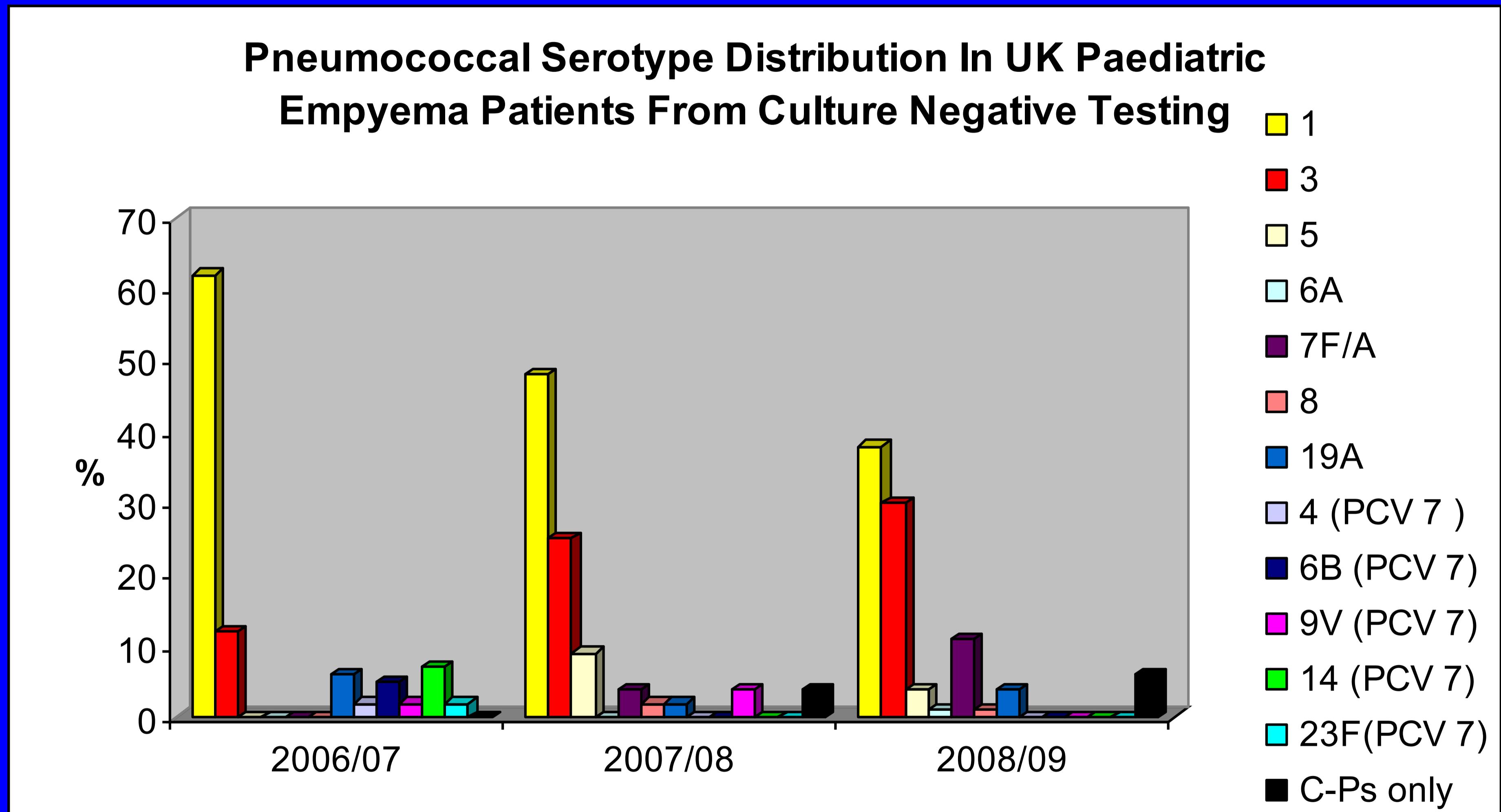
***M Thomas\****, ***C Sheppard, D Cliff, M Guiver, R George, DA Spencer***  
*Research Associate, Newcastle University*

## Background

- Significant rise in paediatric empyema in the UK over the last decade
- Enhanced surveillance began in August 2006 with the introduction of PCV-7
- Samples tested were culture negative pleural fluid that had a positive pneumococcal PCR



# Overall Serotype Distribution



*Multiplex immunoassay includes: 1, 3 , 4, 6A/C, 6B, 7F/A, 8, 9V, 14, 18, 19A, 19F, 23F and C-polysaccharide*

# Conclusions

- No PCV-7 serotypes detected in 2008-09
- Serotype 3 increased significantly over the three year period ( $p=0.003$ )
- 93 % of pleural fluids tested in 2008-09 contained PCV-13 serotypes
- Need for continued enhanced surveillance with the introduction of PCV-13 in April 2010

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