

# Review of: "Prognostic factors for mortality in invasive pneumococcal disease in adult: a system review and meta-analysis"

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**Potential competing interests:** The author(s) declared that no potential competing interests exist.

Dear Editor,

thank you very much for giving me the opportunity to review the manuscript "Prognostic factors for mortality in invasive pneumococcal disease in adult: a systematic review and meta-analysis". This study was designed to clarify prognostic factors contributing to death due to IPD. This is a well written and well designed piece of work. I would be interested to see the forest plot for all the prognostic factors discussed and not only for there of them (age, septic shock, community acquired infections vs nosocomial). I would also be interested to see the Newcastle–Ottawa Scale quality assessment in a figure.

The study has several limitations: only a limited number of prospective studies were able to be enrolled, the definition of mortality in articles as in-hospital or 30-day mortality was merged together in some risk factors, due to limited numbers of articles, prognostic factors for mortality differed markedly between articles, the forms of vaccine status for studies included in this meta-analysis varied, and the effects of serotype and antibiotic resistance were not discussed.