Study ID	Infection	Population	Study types	No. studies considering time to	Meta analysis	Definition of early antibiotic	Results	Comments
				antibiotic therapy		therapy		
Yu et al 2008	Community acquired pneumonia	Adult and paediatric	Observational studies	antibiotic therapy 13	No	therapy < 4 hours And < 8 hours	Odds ratios were calculated for individual studies where possible. Short term mortality (<4 hours)	MEDLINE, EMBASE, and the Cochrane Library were searched. Studies considering inpatient or 30-day mortality among patients receiving early versus delayed antibiotics were included. Studies were categorized according to whether they were retrospective or prospective and whether they adjusted for severity with the Pneumonia Severity Index. Odds ratios were calculated for each study. These were not pooled.
							Marrie et al 2005 (OR = 0.96; 95% Cl, 0.70 to 1.30)	
Dinos at	Community	Adultand	Observational	0	No	< 4 hours	Studios wars estagorized as (warsarting	Only and data have was seenshed for relevant
al 2009	acquired	paediatric	studies	0	NO	< 4 nours	evidence', 'neutral evidence' or 'opposing	studies (PubMed). It is doubtful that the

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	pneumonia						evidence'.	literature search was sufficiently rigorous to identify all relevant studies.
							2 studies supported door-to-needle time of < 4	
							hours	Studies were categorised according to study
								design, but study quality was not reported.
							1 study was categorised as neutral	The authors did not conduct a meta-analysis. A
								rather subjective method of categorising
							5 studies opposed door-to-needle time of < 4	studies as containing 'supporting evidence',
							hours. These were said to document "increased	'neutral evidence' or 'opposing evidence' was
							rates of mis-diagnosis / interventions that might	used. The criteria for categorisation were
							nation for the nurness of mosting quality	unclear.
							measures"	
Siddiqi	Severe sepsis	Adult	RCTs	0	No	< 1 hour	No RCTs considering time to antibiotic	This was Cochrane review of early versus late
et al							administration for severe sepsis were identified.	pre-intensive care unit admission broad
2010								spectrum antibiotics for severe sepsis. No RCTs
								considering the impact of time to antibiotic
								administration for severe sepsis were found.
Mc	Bacteremia	Adult	Observational	2	No	No definition	No results related to time to antibiotic therapy	
Gregor			studies				were reported	
2007								