

GRADE Table 3: Hib vaccination schedules: three primary doses plus one booster dose versus two primary doses plus one booster dose

PICO Question: Does using three primary doses of Hib plus one booster dose have a greater effect on the proportion of recipients with responses above a set immunological threshold than using two primary doses plus one booster dose?				
		Rating	Adjustment to rating	
Quality Assessment	No of studies/starting rating		2 RCTs	4
	Factors decreasing confidence	Limitation in study design	serious ¹	-1
		Inconsistency	Not serious	0
		Indirectness	none	0
		Imprecision	None serious	0
		Publication bias	None detected	0
	Factors increasing confidence	Strength of association/ large effect	-	0
		Dose-response	-	0
		Antagonistic /mitigated bias and confounding	-	0
	Final numerical rating of quality of evidence			3
Summary of Findings	Statement on quality of evidence		We are moderately confident in the estimate of effect on health outcome. The true effect is likely to be close to the estimate of the effect.	
	Conclusion		Both schedules induced immunological responses above a set threshold in high proportions of the recipients. There was little difference between the two groups	

References

Adapted from: Scott, P. et al *Haemophilus influenzae* type b conjugate vaccines: a systematic review of data from randomized controlled trials of childhood schedules

Trials graded:

Labadie, J., et al. *Multi-center study on the simultaneous administration of DPT-IPV and Hib PRP-T vaccines*. RijksinstLituut voor Volksgezondheid en Milieu RIVM. 1996 (Netherlands) [accessed 2013 Jan 24]; Available from: <http://www.rivm.nl/bibliotheek/rapporten/124001003.html>

Carlsson, R.M., et al., *Safety and immunogenicity of a combined diphtheria-tetanus-acellular pertussis-inactivated polio vaccine-Haemophilus influenzae type b vaccine administered at 2-4-6-13 or 3-5-12 months of age*. *Pediatr Infect Dis J*, 1998. **17**(11): p. 1026-33. (Sweden)

¹ Randomization unclear or not reported, participants not blinded