

Appendix 3 – Clinical questions

- Q1 What is the diagnostic accuracy of using a sleep questionnaire, a combined sleep questionnaire and clinical assessment, sleep video recording or sleep audio recording to identify sleep-disordered breathing in children with suspected sleep disordered breathing?
- Q2 For children with suspected sleep-disordered breathing, what is the diagnostic accuracy of pulse oximetry and cardiorespiratory sleep studies?
- Q3 For children undergoing investigation for sleep-disordered breathing, does carbon dioxide monitoring with pulse oximetry improve clinical outcomes, when compared with pulse oximetry alone?
- Q4 What is the diagnostic accuracy of pulse oximetry or cardiorespiratory sleep studies for children with comorbid disorders predisposing to sleep-disordered breathing?
- Q5 What is the diagnostic accuracy of oximeters with and without motion artefact removal and oximeters with long and short averaging times for children with suspected sleep-disordered breathing?
- Q6 For children with suspected sleep-disordered breathing, what is the optimal monitoring time when using pulse oximetry or cardiorespiratory sleep studies?
- Q7 For children with suspected sleep-disordered breathing, does pulse oximetry or cardiorespiratory sleep study monitoring over more than one night improve the accuracy of diagnosing sleep-disordered breathing?
- Q8 For children with suspected sleep-disordered breathing, does home respiratory polygraphy, or home pulse oximetry provide the same clinical outcomes as inpatient cardiorespiratory sleep studies?
- Q9 For children receiving home mechanical ventilation, is pulse oximetry with carbon dioxide monitoring as good as multichannel study monitoring when monitoring mechanical ventilation at home?
- Q10 For children with daytime sleepiness and normal cardiorespiratory sleep studies, what characteristics are associated with a diagnosis of narcolepsy?
- Q11 For children with sleep-disordered breathing, does oxygen saturation monitoring before tonsillectomy (with or without adenoidectomy) improve clinical outcomes?