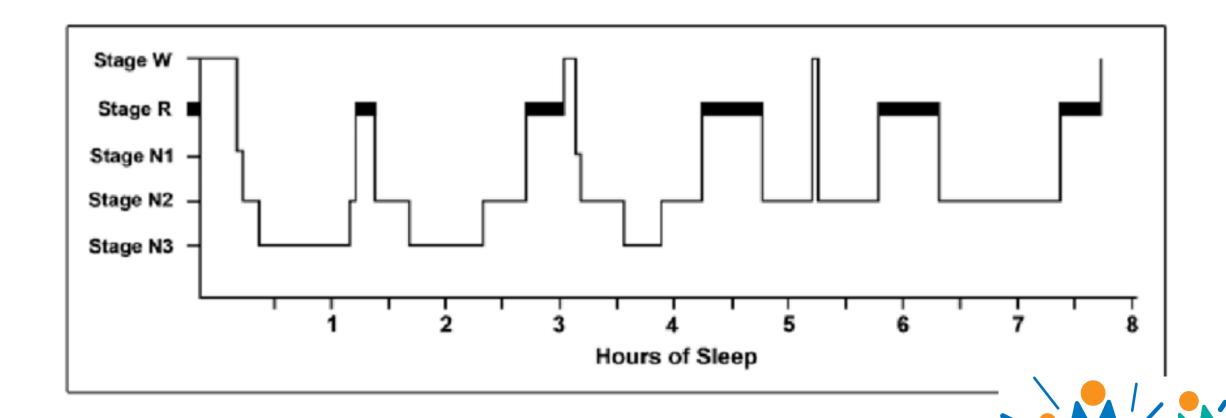
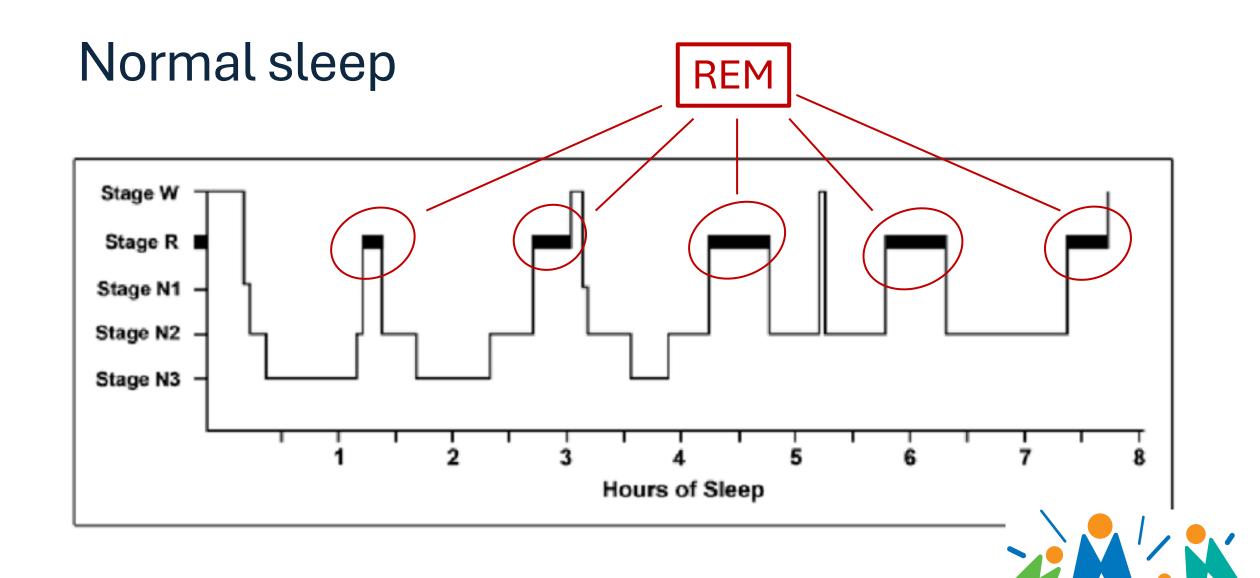


The many faces of OSA

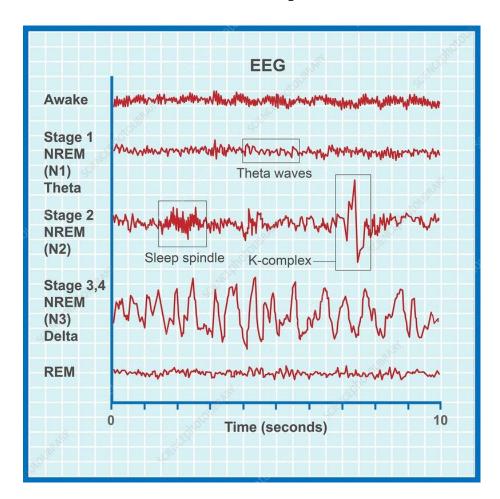


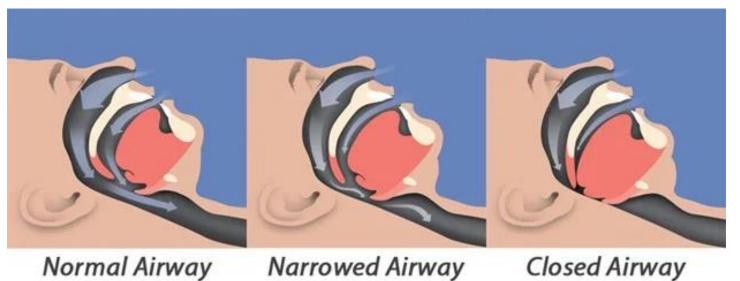
Normal sleep





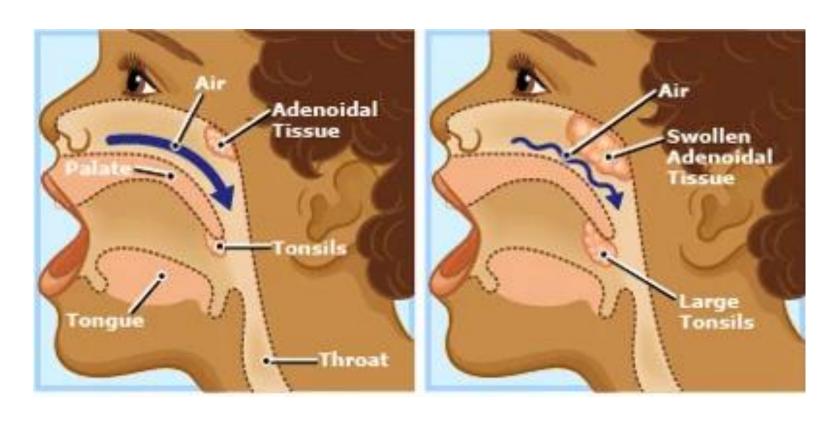
REM sleep







Ts and As





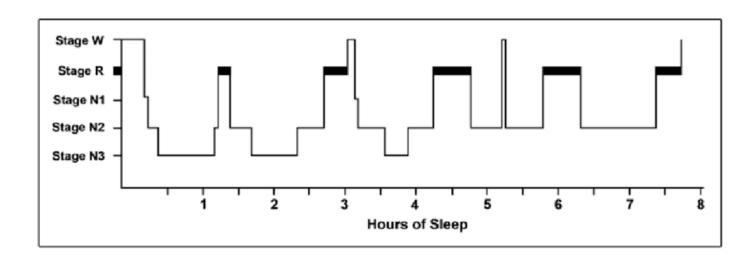


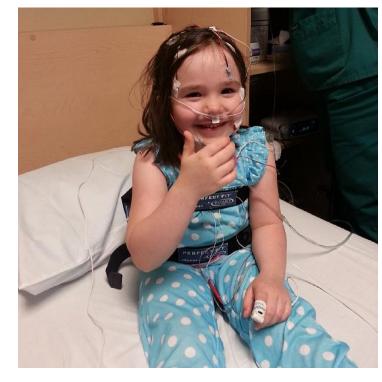
Why is OSA important?

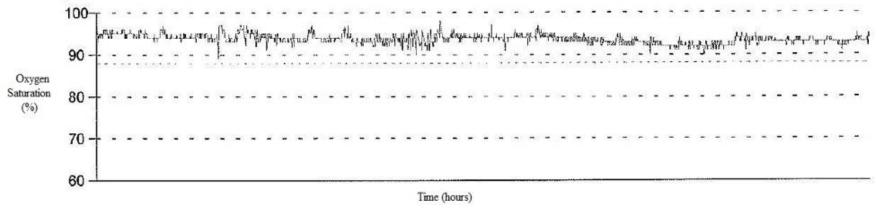




Investigation

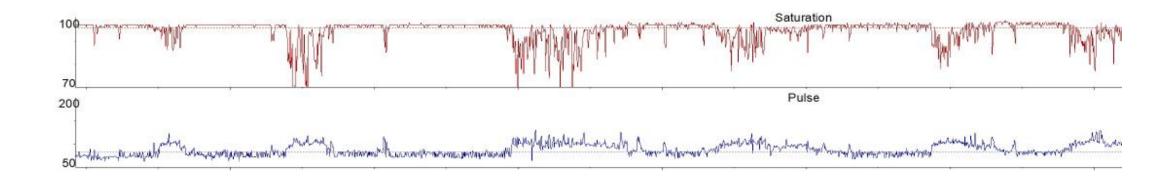


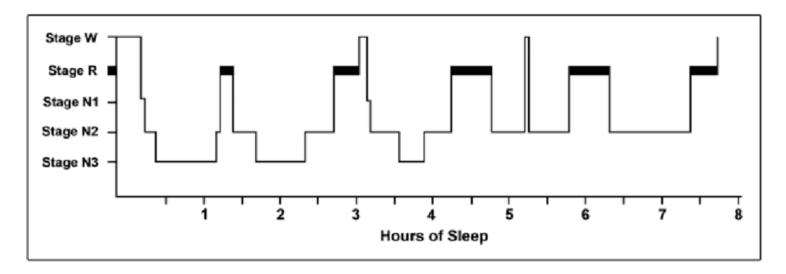






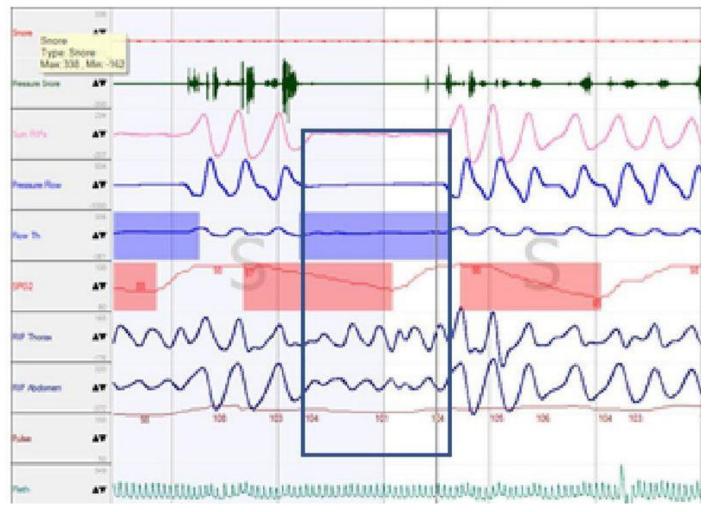
OSA on ONSS







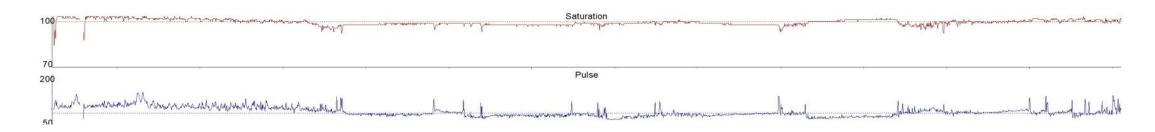
OSA on CRSS





Everitt et al, ADC E&P 2023 (108)

Beware of the normal oximetry





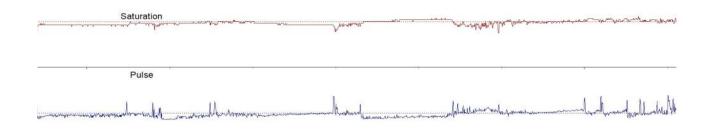
ODI 1.17 Median sats 97%



Beware of the normal oximetry

Respiratory Analysis

Number (Index)	
Obstructive	7 (1.6)
Mixed	-
Central	2 (0.5)
Undef A.	-
Total Apn.	9 (2.0)
Hypopnea	46(10.4)
A+H	55 (12.4)
Limitations	-
RERAs	-
RDI	55 (12.4)



AHI 12.4 Early morning pCO_2 7.0





The baby who isn't weaning oxygen

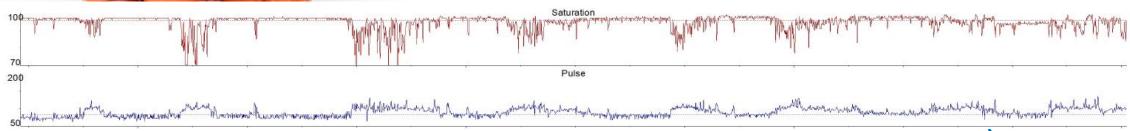




The baby who isn't weaning oxygen



ONSS in 1L/min O2 ODI 82

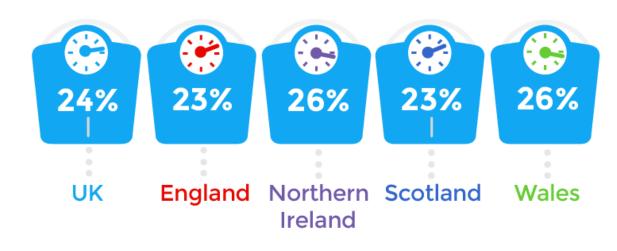


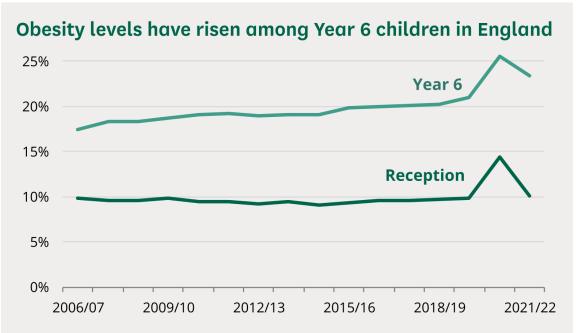




Why this is topical

Overweight at 4-5 years old







Why this is important

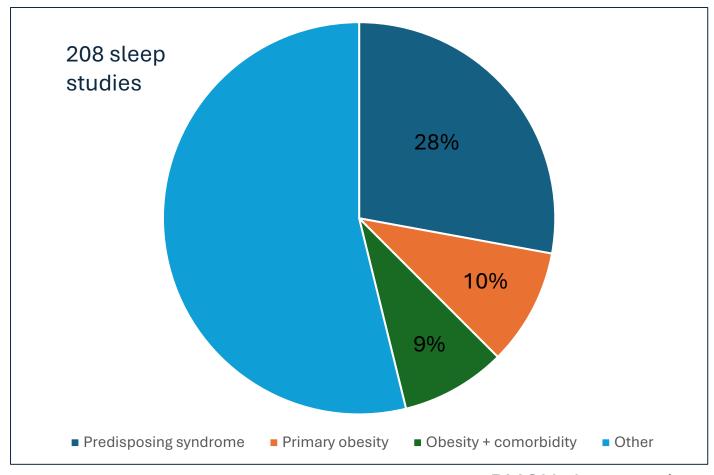
13-60% of obese children have OSA

 Every increment of 1kg/m² above the 50th centile increases OSA risk by 12%

- AHI >5 is
 - More likely to cause complications
 - Less likely to resolve without intervention



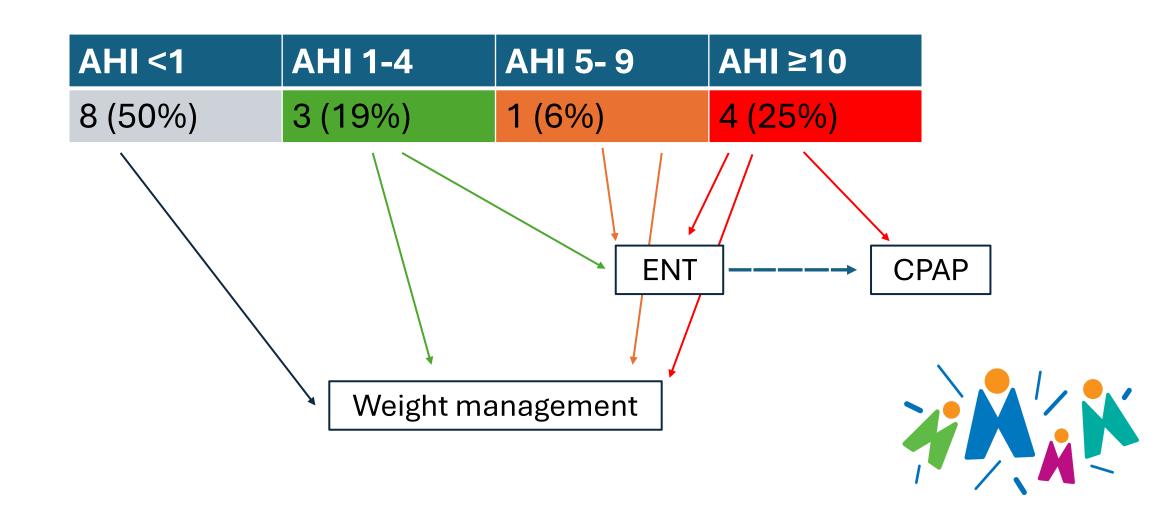
Screening for OSA in obesity





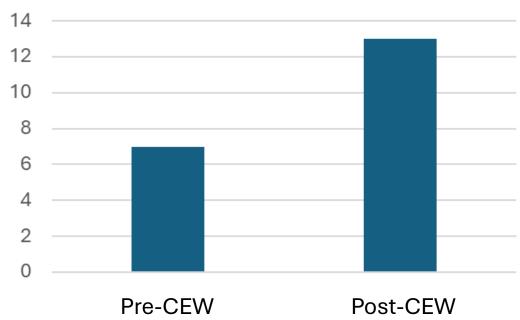
RMCH sleep service

The effect of screening



The effect of screening







Nico



- Referred from CEW clinic
- Overweight, tired, depressed
- Struggling at school
- Struggling to lose weight



Nico





Take home messages

- Have a high index of suspicion
- Don't trust a normal ONSS in a symptomatic or co-morbid child
- 1st-line treatment for obesityrelated OSA is weight management
- Treating OSA in obesity can be curative



