



**APPRENDRE
À DORMIR**

Sleeping through the night or getting enough sleep over 24 hours? Variability between children

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Many parents wonder when their children will sleep through the night, sometimes even before their baby is born.

It is important to have **realistic expectations** because it is true that most children [wake up at night](#) during the first year. For example, parents of 6-month-old babies reported **an average of 3 reported awakenings per night** in one study, which means that some babies had more and some had less. These awakenings are normal and helpful. They occur for different reasons such as changes between sleep trains every 45-60 minutes for toddlers, to fulfill an emotional or physical need such as reassurance or feeding (necessary until at least 6 months of age and sometimes more).

Just as with the acquisition of walking, each child develops and matures at their own pace. The maturation of the brain allows children to acquire the ability to walk, as well as to acquire the ability to link [sleep trains](#) or to no longer need to feed during the night.

This is reassuring:

- Daytime sleep counts just as much as nighttime sleep in assessing whether your child is getting enough sleep (even with nighttime awakenings) – read Sleep [Duration Recommendations](#)
- Nighttime awakenings do not have a negative impact on development
- As the brain matures, your child will be able to sleep through the night, i.e., the child will be able to sleep consecutively without reporting nighttime awakenings. Patience is required because only about 65% of children have reached the level of brain maturity to sleep through the night at or before 6 months of age.
- Signs of [lack of sleep](#) during the day are good indicators of whether your child needs more sleep.

What do scientists mean by “sleeping through the night”? Getting 6 to 8 hours of uninterrupted sleep – without waking up at night or signaling their parents.

Listen to [Dr. Marie-Hélène Pennestri](#) talk about variability among children.

Watch “**Sleeping through the night or getting enough sleep over 24 hours? Variability between children** ” to learn more

Inspiration and scientific sources:

- Anders TF. (2020) **Organisation et développement du sommeil chez le jeune enfant.** Dans: Tremblay RE, Boivin M, Peters RDeV, eds. Petit D, éd. thème. Encyclopédie sur le développement des jeunes enfants [en ligne]. <https://www.enfant-encyclopedie.com/sommeil/selon-experts/organisation-et-developpement-du-sommeil-chez-le-jeune-enfant>. Updated : December 2020.

- Burdayron R, Kenny S, Dubois-Comtois K, Béliveau MJ, Pennestri MH. (2020) **Infant sleep consolidation: A preliminary investigation of parental expectations.** Acta Paediatr. 109(6):1276-1277. <https://doi.org/10.1111/apa.15151>
- Burdayron R, Butler BP, Béliveau MJ, Dubois-Comtois K, Pennestri MH. (2021) **Perception of infant sleep problems: the role of negative affectivity and maternal depression.** J Clin Sleep Med. 1;17(6):1279-1285. <https://doi.org/10.5664/jcsm.9188>
- Lewin, D. S., Wolfson, A. R., Bixler, E. O., & Carskadon, M. A. (2016). **Duration Isn't Everything. Healthy Sleep in Children and Teens: Duration, Individual Need and Timing.** Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine, 12(11), 1439–1441. <https://doi.org/10.5664/jcsm.6260>
- Pennestri MH, Laganière C, Bouvette-Turcot AA, Pokhvisneva I, Steiner M, Meaney MJ, Gaudreau H; Mavan Research Team. (2018) **Uninterrupted Infant Sleep, Development, and Maternal Mood.** Pediatrics.142(6). <https://doi.org/10.1542/peds.2017-4330>
- Pennestri MH, Burdayron R, Kenny S, Béliveau MJ, Dubois-Comtois K. (2020) **Sleeping through the night or through the nights?** Sleep Med. 76:98-103. <https://doi.org/10.1016/j.sleep.2020.10.005>.
 - *Popularized results:* <https://www.ciusssnordmtl.ca/nouvelles-et-evenements/article/faire-une-nuit-ou-faire-ses-nuits/>
- Pennestri, M-H, Ibrir, K, Kenny, S, Petit, D (2022) [The sleep of your baby .](#) Written by [several experts](#) for the «[Sleep on it](#)» Canadian public health campaign on sleep.

- Touchette E, Mongrain V, Petit D, Tremblay RE, Montplaisir JY. (2008) **Development of sleep-wake schedules during childhood and relationship with sleep duration.** Arch Pediatr Adolesc Med.162(4):343-9.
<https://jamanetwork.com/journals/jamapediatrics/fullarticle/379301>