

How Long Do Babies Sleep

REM sleep is physiologically different from the other phases of sleep, which are collectively referred to as non-REM sleep (NREM sleep, NREMS, synchronized sleep). The absence of visual... Though a precursor narrative appears in the anonymous romance *Perceforest* (written in French between 1330 and 1344) and in the Catalan poem *Frayre de Joy e Sor de Paser*, scholars generally regard "Sun, Moon, and Talia" by Italian author Giambattista Basile as the first fully developed literary version of the story, published posthumously in 1634–36 in the *Pentamerone*. This was later adapted in French by Charles Perrault in *Histoires ou contes du temps passé* in 1697. The version collected and printed by the Brothers Grimm was one orally transmitted from the Perrault version, while including its own attributes like the thorny rose hedge and...

Central sleep apnea Premature babies who have the syndrome will generally Central sleep apnea (CSA) or central sleep apnea syndrome (CSAS) is a sleep-related disorder in which the effort to breathe is diminished or absent, typically for 10 to 30 seconds either intermittently or in cycles, and is usually associated with a reduction in blood oxygen saturation. This type of sleep apnea can also be an indicator of Arnold–Chiari malformation. systems are at high risk for central sleep apnea syndrome, even if these babies are otherwise healthy. CSA is usually due to an instability in the body's feedback mechanisms that control respiration

Sleeping Beauty A good fairy, knowing the princess would be frightened if alone when she wakes, uses her wand to put every living person and animal in the palace and forest asleep, to awaken when the princess does. "Sleeping Beauty" (French: *La Belle au bois dormant*, or *The Beauty Sleeping in the Wood*; German: *Dornröschen*, or *Little Briar Rose*, Italian: *La Bella "Sleeping Beauty"* (French: *La Belle au bois dormant*, or *The Beauty Sleeping in the Wood*; German: *Dornröschen*, or *Little Briar Rose*, Italian: *La Bella Addormentata*), also titled in English as *The Sleeping Beauty in the Woods*, is a fairy tale about a princess cursed by an evil fairy to sleep for a hundred years before being awakened by a handsome prince

Sleep While sleep differs from wakefulness in terms of the ability to react to stimuli, it still involves active brain patterns, making it more reactive than a coma or disorders of consciousness. Helpguide. Sleep: Sleep Needs, Cycles, and Stages. Archived from the original on 24 January 2008. org. Retrieved 25 January 2008. "How Much Sleep Do I Sleep is a state of reduced mental and physical activity in which consciousness is altered and certain sensory activity is inhibited. During sleep, there is a marked decrease in muscle activity and interactions with the surrounding environment

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The REM phase is also known as paradoxical sleep (PS) and sometimes desynchronized sleep or dreamy sleep, because of physiological similarities to waking states including rapid, low-voltage desynchronized brain waves. Electrical and chemical activity regulating this phase seem to originate in the brain stem, and is characterized most notably by an abundance of the neurotransmitter acetylcholine, combined with a nearly complete absence of monoamine neurotransmitters histamine, serotonin and norepinephrine. Experiences of REM sleep are not transferred to permanent memory due to absence of norepinephrine. da005d43af

National Sleep Foundation It is largely funded by pharmaceutical and medical device companies. Founded in 1990, its stated goal is to provide expert information on health-related issues concerning sleep. publications and voting on how much sleep is appropriate throughout the lifespan. NSF developed Sleep Health Index to measure sleep health at a global group The National Sleep Foundation (NSF) is an American non-profit, charitable organization da005d43af

During sleep, most of the body's systems are in an anabolic state, helping to restore the immune, nervous, skeletal, and muscular systems; these are vital processes that maintain mood, memory, and cognitive function, and play a large role in the function of the endocrine and immune systems. The internal circadian clock promotes sleep daily at night... da005d43af

Rapid eye movement sleep Rapid eye movement sleep (REM sleep or REMS) is a unique phase of sleep in all mammals (including humans) and birds and in some reptiles, characterized Rapid eye movement sleep (REM sleep or REMS) is a unique phase of sleep in all mammals (including humans) and birds and in some reptiles, characterized by random rapid movement of the eyes, accompanied by low muscle tone throughout the body, and the propensity of the sleeper to dream vividly. The core body and brain temperatures increase during REM sleep and skin temperature decreases to the lowest values da005d43af

There are a range of sleeping bag models designed for different purposes. Very lightly insulated sleeping bags are designed for summer camping use or indoor use by children during slumber parties... da005d43af

Neuroscience of sleep How is sleep triggered and regulated by the brain and the nervous system. How can we understand The neuroscience of sleep is the study of the neuroscientific and physiological basis of the nature of sleep and its functions. What happens in the brain during sleep. organism is sleeping. The study of sleep from a neuroscience perspective grew to prominence with advances in technology and the proliferation of neuroscience research from the second half of the twentieth century. Traditionally, sleep has been studied as part of psychology and medicine da005d43af

Sleep epigenetics Sleep epigenetics is the field of how epigenetics (heritable characteristics that do not involve changes in DNA sequence) affects sleep. Research in the Sleep epigenetics is the field of how epigenetics (heritable characteristics that do not involve changes in DNA sequence) affects sleep

== Signs and symptoms == Legend ==

Baby Train According to the legend, a certain small town had an unusually high birth rate. One version of the myth, as The Baby Train, or simply Baby Train, is an urban legend told in the United States, United Kingdom and Australia. This resulted in a mini-baby boom. This was allegedly caused by a freight train passing through the town and blowing its whistle, waking up all the residents. Since it was too late to go back to sleep and too early to get up, couples would have sex. This resulted in a mini-baby boom. The legend first appeared in Christopher Morley's 1939 novel Kitty Foyle. Since it was too late to go back to sleep and too early to get up, couples would have sex

The importance of sleep is demonstrated by the fact that every day animals spend hours of their time in sleep, and that sleep deprivation can have disastrous effects ultimately leading to death in animals. For a phenomenon so important, the purposes and mechanisms of sleep are only partially understood, so much so that as recently as the late 1990s it was quipped: "The only known function of sleep is to cure sleepiness". However, the development of improved imaging techniques like EEG, PET and fMRI, along with faster computers have led to an increasingly greater understanding of the mechanisms underlying sleep. In a healthy person during sleep, breathing is regular, so that the concentration of oxygen and carbon dioxide in the blood stays fairly constant: After exhalation, the blood oxygen falls and carbon dioxide rises. Exchange of gases with a lungful of fresh air is necessary to replenish oxygen and rid the bloodstream of carbon dioxide. Oxygen and carbon dioxide receptors in the body (called chemoreceptors) send nerve impulses to the brain, which then signals for reflexive opening of the larynx (enlarging the opening between the vocal cords) and movements of the rib-cage muscles and diaphragm. These muscles expand the thorax (chest cavity) so that a partial vacuum is made in the lungs and air rushes in... Research in the field of epigenetics has proven the significance of various environmental experiences. Changes in sleep can cause critical changes to the epigenome, while changes to the epigenome can, in turn, have a crucial influence on experiences related to sleep. Early life experiences with stress can produce lifelong changes in the number of glucocorticoid receptors and impair sleep. Additionally, sleep deprivation alters individuals' epigenome via changes to methylation, histones, and non-coding RNA. The development of sleep disorders such as insomnia, sleep apnea, and narcolepsy can be greatly impacted by epigenetic changes. Additionally, various methods have been discovered that can reverse, prevent, and treat sleep-related issues by causing epigenetic changes.

repeating periods, during which the body alternates between two distinct modes: rapid eye movement sleep (REM) and non-REM sleep. Although REM stands for "rapid eye movement", this mode of sleep has many other aspects, including virtual paralysis of the body. Dreams are a succession of images, ideas, emotions, and sensations that usually occur involuntarily in the mind during certain stages of sleep. da005d43af

Sleeping bag g. It is also commonly used indoors for people who do not have beds or at sleepovers. Its primary purpose is to provide warmth and thermal insulation through its synthetic or down insulation. It is also commonly used indoors for people who do not have beds A sleeping bag is an insulated covering for a person, essentially a lightweight quilt that can be closed with a zipper or similar means to form a tube, which functions as lightweight, portable bedding in situations where a person is sleeping outdoors (e. The bottom surface of a sleeping bag may be moderately water repellent, but a plastic tarp or groundsheet is often used to protect against moist ground. when camping, hiking, hill walking or climbing). The bottom surface also provides some cushioning, but a sleeping pad or camp cot is usually used in addition to that purpose. when camping, hiking, hill walking or climbing). It also typically has a water-resistant or water-repellent cover that protects, to some extent, against wind chill and light precipitation, but a tent is usually used in addition to a sleeping bag, as it performs those functions better. g. a person is sleeping outdoors (e da005d43af

Exposure to stress, particularly during early life, has significant impacts on an individual's response to future experiences of stress. Research on epigenetic changes caused by differences in the amount of time rats were nurtured by their mother is one example of these... da005d43af

On Becoming Baby Wise pediatrician Robert Bucknam in 1993. It emphasizes parental control of the infant's sleep, play and feeding schedule rather than allowing the baby to decide when to eat, play and sleep. Baby Wise presents an infant care program which the authors say will cause babies to sleep through the night beginning between On Becoming Baby Wise: Giving Your Infant the Gift of Nighttime Sleep is a Christianity-based infant management book written by Gary Ezzo and pediatrician Robert Bucknam in 1993. Baby Wise presents an infant care program which the authors say will cause babies to sleep through the night beginning between seven and nine weeks of age da005d43af

== Stress == da005d43af What are the correlates of sleep i.e. what are the minimal set of events that could confirm that the organism is sleeping... da005d43af The Baby Wise program outlined in the book came under criticism from pediatricians and parents who were concerned that an infant reared using the book's advice will be at higher risk of failure to thrive, malnutrition, and emotional disorders. The American Academy of Pediatrics (AAP) warned against the book, stating that its advice could result in infant development problems such as dehydration, poor weight gain, slow growth, delayed

development and failure to thrive, as well as lack of milk supply in the new mother and involuntary weaning of the infant. The Babywise series of books was observed to be in direct contradiction to the AAP's own policy statement, "Breastfeeding and the Use of Human Milk," which... da005d43af The fundamental questions in the neuroscientific study of sleep are: da005d43af

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