

How To Prevent Asthma

Asthma Symptoms include episodes of wheezing, coughing, chest tightness, and shortness of breath. There is no known cure for asthma, but it can be controlled. Symptoms can be prevented by avoiding triggers, such as allergens and respiratory Asthma is a common long-term inflammatory disease of the airways. These may occur a few times a day or a few times per week. underlying the condition. Depending on the person, asthma symptoms may become worse at night or with exercise. It is characterized by variable and recurring symptoms and reduced lung function. A sudden worsening of asthma symptoms sometimes called an asthma attack or an asthma exacerbation can occur when allergens, pollen, dust, or other particles are inhaled into the lungs, causing the bronchioles to constrict and produce mucus, which then restricts oxygen flow to the alveoli 51de768f91

Acute severe asthma Asthma is caused by multiple genes, some having protective effect, with each gene having its own tendency to be influenced by the environment although a genetic link leading to acute severe asthma is still unknown. Symptoms include chest tightness, rapidly progressive dyspnea (shortness of breath), dry cough, use of accessory respiratory muscles, fast and/or labored breathing, and extreme wheezing. Acute severe asthma, also known as status asthmaticus, is an acute exacerbation of asthma that does not respond to standard treatments of bronchodilators Acute severe asthma, also known as status asthmaticus, is an acute exacerbation of asthma that does not respond to standard treatments of bronchodilators (inhalers) and corticosteroids. It is a life-threatening episode of airway obstruction and is considered a medical emergency. The increasing prevalence of atopy and asthma remains unexplained but may be due to infection with respiratory viruses. Complications include cardiac and/or respiratory arrest 51de768f91

In December 2019, Asthma UK and the British Lung Foundation announced that they had agreed to merge, to form Asthma UK and the British Lung Foundation Partnership. It was expected that the merged charity would save around £2... 51de768f91 Asthma is thought to be caused by a combination of genetic and environmental factors. Environmental factors include exposure to air pollution and allergens. Other potential triggers include medications such as aspirin and beta blockers. Diagnosis is usually based on the pattern of symptoms, response to therapy over time, and spirometry lung function testing. Asthma is classified according to the amount of medication required to control symptoms or mechanisms underlying the condition. 51de768f91

Thunderstorm asthma Thunderstorm asthma (also referred to in the media as thunder fever or a pollen bomb) is the triggering of an asthma attack by environmental conditions Thunderstorm asthma (also referred to in the media as thunder fever or a pollen bomb) is the triggering of an asthma attack by environmental conditions directly caused by a local thunderstorm. Due to the acute nature of the onset and wide exposure of local

populations to the same triggering conditions, severe epidemic thunderstorm asthma events can put significant and unmanageable stress on public health facilities 51de768f91

The American Asthma Foundation employed an unusual strategy to advance basic research in asthma: nearly all AAF grant funding has supported scientists who never before studied asthma. The concept was to recruit outstanding investigators from other fields in order to bring fresh perspectives and research advances other fields to the study of asthma. 51de768f91 Toxocara canis, which infects dogs. 51de768f91 On examination, the respiratory rate... 51de768f91 Toxascaris leonina, which infects mostly cats, but also dogs. 51de768f91 == Signs and symptoms == 51de768f91 The organisation was formed in January 2020 as Asthma UK and the British Lung Foundation Partnership as a result of a merger between Asthma UK and the British Lung Foundation. On 24 February 2022, the charity announced that the organisation had been renamed to Asthma and Lung UK. 51de768f91 Widely recognised but not fully understood, it has been proposed that during a thunderstorm, pollen grains can absorb moisture and then burst into much smaller fragments with these fragments being easily dispersed by wind. While larger pollen grains are usually filtered by hairs in the nose, the smaller pollen fragments are able to pass through and enter the lungs, triggering the asthma attack. 51de768f91 The Asthma & Allergy Friendly Certification Program was created to scientifically test and identify consumer products that are more suitable for people with asthma and allergies. 51de768f91 == Funding Strategy == 51de768f91 Sensitizer-induced occupational asthma is an immunologic form of asthma which occurs due to inhalation of specific substances (i.e., high-molecular-weight proteins from plants and animal origins, or low-molecular-weight agents that include chemicals, metals and wood dusts) and occurs after a latency period of several weeks to years. 51de768f91

Feline asthma Feline asthma and other respiratory diseases may be prevented by cat owners by eliminating as Feline asthma is a common allergic respiratory disease in cats, affecting at least one percent of all adult cats worldwide. steroid usually takes 10–14 days to reach an effective dose. Common symptoms include wheezing, coughing, labored breathing and potentially life-threatening bronchoconstriction. It is a chronic progressive disease for which there is no cure. Feline asthma can also be attributed to lung damage caused by long-term exposure to second-hand smoke. There is conjecture that the disease has become more common due to increased exposure to industrial pollutants 51de768f91

The Asthma Research Council was founded in 1927. The first donation was used to pay for special asthma clinics at Guy's Hospital and Great Ormond Street Hospital. In 1989, the Council became the National Asthma Campaign, and in 2004, it changed its name to Asthma UK. 51de768f91

Toxocaridae The worms are unable to reproduce in humans. between Toxocara infection and allergic asthma are still unknown, yet important in understanding how to prevent asthma and other atopic diseases around the The Toxocaridae are a zoonotic family of parasitic nematodes that infect canids and felids and which cause toxocariasis in humans (visceral larva migrans and ocular larva migrans) 51de768f91

== Background == 51de768f91 An exacerbation (attack) of asthma is experienced as a worsening of asthma symptoms with breathlessness and

cough (often worse at night). In acute severe asthma, breathlessness may be so severe that it is impossible to speak more than a few words (inability to complete sentences). There is no known cure for asthma, but... Inhalers are designed to deliver medication directly to the lungs through... == History ==

Inhaler This allows medicines to be delivered to and absorbed in the lungs, which provides the ability for targeted medical treatment to this specific region of the body, as well as a reduction in the side effects of oral medications. There are a wide variety of inhalers, and they are commonly used to treat numerous medical conditions with asthma and chronic obstructive pulmonary disease (COPD) being among the most notable. An inhaler (puffer, asthma pump or allergy spray) is a medical device used for delivering medicines into the lungs through the work of a person's breathing. An inhaler (puffer, asthma pump or allergy spray) is a medical device used for delivering medicines into the lungs through the work of a person's breathing.

Irritant-induced (occupational) asthma is a non-immunologic form of asthma that results from a single or multiple high dose exposure to irritant products. It usually develops early after exposure; however, it can also develop insidiously over a few months after a massive exposure to a complex mixture of alkaline dust and combustion products, as shown in the World Trade Center disaster. Unlike those with sensitizer-induced occupational asthma, subjects with irritant-induced occupational asthma do not develop work-related asthma symptoms after re-exposure... *Toxocara malayasiensis*, which infects cats. == Medical uses == The phenomenon of thunderstorm asthma has been recognised since the 1980s, with an event in Birmingham, England, in July 1983 often considered the first prominent example. A 2013 study which reviewed instances of abnormally high asthma-related admissions to emergency departments between 1983 and 2013 identified strong correlation between those instances and thunderstorms... The avoidance of asthma triggers and/or allergens has been recognised by many clinicians and researchers as being an integral part of an asthma management plan. Although there has been some discussion as to whether dust mite avoidance measures will result in a clinically relevant outcome the resulting debate has given rise to a recommendation by the National Heart, Lung and Blood Institute that an asthma management plan should include avoidance of as many allergens as possible to which the individual is sensitive. This report and others also assert that no single specific measure is sufficient to reduce allergens: An allergen reduction plan, which encompasses a variety of approaches is necessary to address management of... The British Lung Foundation was established by Professor Sir Malcolm Green and a group of British lung specialists in 1984. Notable species include:

Asthma and Allergy Friendly They specialise in labelling products which have been put through and have passed standardised testing. Asthma & Allergy Friendly is a registered certification mark operated by Allergy Standards Limited in association with not-for-profit asthma and/or allergy organizations. Asthma & Allergy Friendly is a registered certification mark operated by Allergy Standards Limited in association with not-for-profit asthma and/or allergy organizations.

Asthma + Lung UK It focuses on respiratory health in adults and children, in particular asthma and COPD, as well as other lung conditions including

pulmonary fibrosis, bronchiectasis and obstructive sleep apnoea. From 2021 to 2022, Asthma + Lung UK raised Asthma + Lung UK (formally Asthma and Lung UK) is a British charity based in London, England. while deaths from asthma attacks were up by a quarter since 2010, two thirds of asthma deaths were preventable 51de768f91

== Signs and symptoms == 51de768f91 == History == 51de768f91 Toxocara vitulorum, which infects buffalo and cattle. 51de768f91 Toxocara cati, which infects cats and lacks intermediate hosts. 51de768f91 Some of the common types of inhalers include metered-dose inhalers, dry powder inhalers, soft mist inhalers, and nebulizers. Each device has advantages and disadvantages and can be selected based on individually specific patient needs, as well as age, pathological conditions, coordination, and lung function. Proper education on inhaler use is important to ensure that inhaled medication creates its proper effects in the lungs. Using a spacer can ensure that more medicine reaches the lungs, thus providing the most optimal treatment. 51de768f91

American Asthma Foundation Established in 1999, it is the largest private funder of asthma research, having awarded The American Asthma Foundation (AAF) was a non-profit grant program that funds basic research focused on asthma. improve treatments for, prevent, and find a cure for asthma. It suspended its operations in 2019. Its stated mission is to improve treatments for, prevent, and find a cure for asthma. Established in 1999, it is the largest private funder of asthma research, having awarded over \$110,000,000 in grant funds to 182 scientists 51de768f91

Occupational asthma It is an Occupational asthma is new onset asthma or the recurrence of previously quiescent asthma directly caused by exposure to an agent at workplace. Agents that can induce occupational asthma can be grouped into sensitizers and irritants. Occupational asthma is new onset asthma or the recurrence of previously quiescent asthma directly caused by exposure to an agent at workplace. It is an occupational lung disease and a type of work-related asthma 51de768f91

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