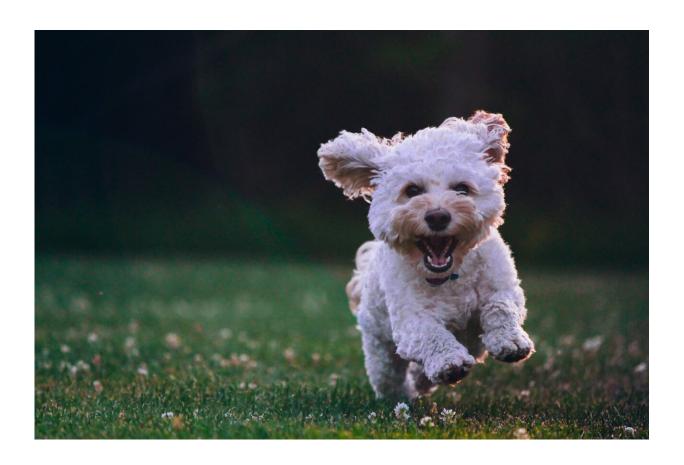


How to stop your dog getting heatstroke – according to science

June 21 2017, by Anne Carter And Emily Hall



Credit: Unsplash/CC0 Public Domain

Summer is a great time to get out and about with your dog. But dogs don't tolerate the heat as well as their owners. When people get hot they start to sweat, but dogs are only able to do this through the pads on their



paws. Dogs instead rely on panting as their main method of cooling.

But panting can only control body <u>temperature</u> up to a point. As temperatures and humidity rise, panting is no longer able to <u>cool the dog</u>. This leads to an increased risk of heatstroke in dogs, which is potentially fatal. It's worth remembering that it can take around two months for a dog to acclimatise to high temperatures so it is important not to <u>become complacent</u>.

What is heatstroke?

Like humans, dogs can develop heatstroke in two main ways. Environmental heatstroke occurs following exposure to <a href="https://high.com

Every year, there are numerous reports of dogs dying in hot cars. Cars can get hot surprisingly quickly with internal temperatures reaching 40°C within just ten minutes of being parked in full sun. Simply exercising or playing in warmer weather can also lead to heatstroke in surprisingly short periods of time, just a ten minute walk could be too much. Dogs that are working or competing in hot conditions are also at risk, so making sure they are kept cool is key.

Certain factors put some dogs at a higher risk of heatstroke. Brachycephalic (short faced) breeds, such as pugs and boxers, <u>are more likely to suffer</u>, as are animals with respiratory disorders. Male dogs and those with darker coats also tend to get <u>hotter in warm weather</u>.





Credit: AI-generated image (disclaimer)

Reducing the risk

Don't leave your dog in the car and never leave dogs unattended. Even in the shade, car temperatures can increase quickly and as the sun moves and shade disappears the internal car temperature will rapidly increase. Leaving windows partially open has little effect on car temperature. If you are stuck in traffic or travelling, have the <u>air conditioning</u> on to keep the car cool and make sure windows are shaded from direct sunlight. Ideally, leave your dog at <u>home in hot weather</u>.

Try to exercise your dog in the cooler parts of the day. Avoid any strenuous exercise in the heat. And make sure you supervise activity – your dog may not know when to stop. Instead of exercising in full sun,



try brain games in the house or walking in the shade, such as woodland.

All dogs need access to cool water and shade to keep their temperature down. If your dog is unfit, obese or suffers from a respiratory disorder be particularly careful exercising in hot or humid conditions.

As the weather becomes more unpredictable, the risks of being unprepared increase. Even in winter, dogs can be at risk with temperatures getting warmer than expected. The continuing changeable weather also makes it challenging to acclimatise to the heat, making sudden, unseasonal hot spells even more dangerous.

Signs of heatstroke

Heatstroke can happen very quickly, starting with rapid breathing, lack of energy and decreased urine production. This can very quickly escalate to heavy panting, bulging eyes, and the tongue appearing excessively long and dark red. Collapse (leading to seizures or coma) and vomiting and/or diarrhoea can follow.

Both cooling your dog, and getting to the vet as quickly as possible are the two key ways to increase the chance of survival in heatstroke cases. Avoid using ice or very cold water as this can cause blood vessels on the skin surface to constrict and reduce effective cooling. It can also cause shivering which can create more heat from the muscles. Key areas to cool are the neck, abdomen and inner thighs with lukewarm water or water-soaked towels. It is important that you do not over cool your dog, as this can lead to shock – a lack of blood supply to vital organs – so using lukewarm water is important.

Out and about, cool surfaces, shade, air conditioning in cars and fans can also aid cooling. Even if the dog is cooled, veterinary treatment is still key to allow more targeted treatment and monitoring to occur.



Heatstroke has been reported as fatal in 39-50% of <u>dogs</u> but those surviving more than 24 hours <u>have a good chance of making a full</u> <u>recovery</u>.

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