## Pet Obesity:

The reality in 2009


## Foreword

Our pets are our best friends, our confidantes, our companions and, on occasion, our lifelines
I know from personal experience how important the quality and longevity of a pet's life is. The positive impact we gain from spending time with domestic animals that are close to us - including those who work with us - exercising with them and enjoying their company, is immeasurable.

It is very sad, but perhaps not surprising, that so many of us are unintentionally punishing our pets by overindulgence as a substitute for real love and affection - which sometimes has to be tough love and more care on diet and grooming than we lavish on ourselves. While the emotional bonds between owner and pet are strong and must be nurtured, our tendency to treat animals on a regular this relationship.

Nine out of every ten pet owners in the UK are not sufficiently concerned about their pet's weight, yet one in three in the UK is overweight - that's approximately 7 million animals.

Rather than attributing this lack of concern to uncaring owners, I believe quite the opposite.

This PFMA paper highlights the need for owners to take responsibility for our actions and to understand the consequences of kindness. It identifies the gaps that exist in owners' knowledge of the best methods of keeping their animals healthy. Above all, it provides a wake up call to us all to take note of behaviour according to their true needs.
I have learned a great deal over the years as a proud owner of five guide dogs (and many small animals as a child) and have also learned a great deal from other charities and organisations l've been involved in, I am continuing to earn. Above all, I am only too aware that our pets deserve to eat well, to be exercised regularly and to

## The obesity epidemic

The tipping point
Why has the crisis escalated? One of the reasons we have reached this point is that we are no longer able to recognise a healthy, ideal body shape. Our perceptions have become blurred particularly when identifying
overweight body shapes. overweight body shapes.

What we are seeing is a shift in cultural perceptions where our views of what perceptions where our views of what
we consider to be a healthy body shape conflict with the clinical definition of normal weight.

## The problem with humans

As a nation, we have never been so fat, under exercised, over worked and over fed as we are today. Around two-thirds of the people living in That means that being a "normal" weight is no longer normal. In the last 25 years obesity has soared by almost 400 per cent and, if things continue as they are, being fat will surpass smoking as the greatest cause of premature loss
of life. of life.

Quite simply, we are facing the worst case of human obesity in our history.

Why is this relevant to the pet population of Great Britain?

Obesity is equally as serious for pets asesity is equaliy as serious for pets
human obesity and pet obesity are gradually becoming better understood, however the fundamental difference is that obesity in pets is preventable. The solution is simpler and more direct than solving the problem with humans.
According to the People's Dispensary for Sick Animals (PDSA), pet obesity
soared by nine per cent in 2008 alone soared by nine per cent in 2008 alone,
meaning that an estimated seven million pets in the UK are overweight ${ }^{2}$ that equates to one in three household pets.

Why are our pets obese?

It is extremely rare for medical problems to be the cause of obesity in dogs, cats or rabbits. There really are very few animals - like humans they're "big boned".

For pets, as for humans, obesity occurs when energy intake exceeds energy
output. However, while the cause and output. However, while the cause and effect is simple, the issue is not. Our pets' natural instincts are towards food intake, wherever and whenever possible,
so it is the exclusive responsibility of pet owners to manage their pets' diet and regulate their calorific intake.

Depending on what statistics you read, somewhere between 30-60 per cent of pets in the UK are overweight. In most cases it results from too many human food snacks and treats and not enough
exercise. Being overweight is unhealthy for pets and can lead to a shortened life-span, heart disease, arthritis and diabetes.

When asked, pet owners' perceptions of what constitutes normal weight was found to be massively blurred, with over
half of cat and dog owners unable to accurately identify a 'normal' dog or cat body shape ${ }^{3}$.
Animal Welfare Group says: "Pe Animal Welfare Group says: "Pe rising epidemic. We are a nation of pet lovers and we should be more aware about how to look after the health of our pets. The statistics are frightening: they suggest that we are killing our pets with kindness. In essence if your pet is obese, it is your fault. Owners mus seek advice about how to keep the pets at their healthy best to give them

Most importantly, the life expectancy of obese dogs and cats is up to two years ess than that of pets of
optimum weight.
As pets become overweight, their metabolism slows down causing to change. Aside from causing genera discomfort and lethargy, excessive weight can also lead to a number of problems, each of which diminishes pets' quality of life:

- breathing difficulties with exercise
- heat intc
- gastrointestinal problems
- lowered resistance to infectious diseases, particularly viral infections
- spinal problems
- skin conditions due to the inability to groom
- dental problems
- dental problems
irritability, due to increased
discomfort.
undamentally, obesity detracts from a pet's ability to play and enjoy a healthy and happy life indoors and out.

With nine in ten pet owners reported to be not at all concerned about their pet's weight and nearly eighty per cent believing that their pet is just the right weight, the discrepancy goes some way
to explain the rising increase in obese pets - pet owners don't understand what normal looks like ${ }^{4}$.

The impact of socio-economic status on the nation's pets

Pet experts at Glasgow University have recently undertaken some research into the association of
socio-economic and environmental factors in connection with canine obesity in the West of Scotland ${ }^{5}$. The results emphasise that social class and educational attainment of owners are both important factors in predicting the development of canine obesity.
Owners who earned the most money were considerably less likely to have obese dogs. At the same time middle
class (ABC1s) dog and cat owners were Class (ABC1s) dog and cat owners were
more likely to estimate that their pet was overweight compared to those in lower income brackets (C2DEs) ${ }^{6}$.

## Turning a blind eye

Misperception presents a fundamental barrier in managing weight not only in humans but also in pets.

Many pet owners may believe that heir pet is healthy and it could come a shock when a professional breaks th ews that their pet is in fact overweight
Misperception of pet body condition most certainly is a factor in pet obesity and one which needs to be recognised so that positive steps can be taken to ensure the number of overweigh pets in the UK is reduced," says D Philippa Yam MRCVS, Senior Lecture Gastroenterology.
The good news is that once owners are aware that their pet is overweight - and hat they are responsible for this - they often want to make a positive change of pet obesity they are often receptive and will listen to our advice. Once the dangers are explained and they are to make positive changes", comments George Lightfoot BA VetMB MRCVS.

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Dr Philippa Yam MRCVS, Senior ecturer in Gastroenterology

## Treating the real issue

Pet owners commonly believe that treating their pet like a member
of the family is a good thing. But 'over-humanising' your pet can have disastrous and sometime fatal consequences.
"Owners don't intentionally behave badly towards their pets and more often than not are shocked and hurt when
you explain the risks associated with their bad feeding and exercise habits. Once owners have digested the news that they have an overweight pet they want to make a positive change. In my experience, most owners actively try to make an effort to change their ways
and help their animal lose weight," says Brigitte Reusch, Lecturer in Rabbit Medicine and Surgery, Edinburgh Vet School.
Research has found that nearly one in five cat and dog owners (18 per cent) regularly feed their pets leftovers ${ }^{8}$. In addition, when making a choice about
how much food to give their dog, cat how much food to give their dog, cat
or rabbit the majority of owners do this on a trial and error basis. Given that pets will often eat whatever food they are given, it is not surprising that pet obesity is increasing.
"Over half of the people I see have an inkling that their pet is overweight, but to their diet, often blaming their pet's weight on lack of exercise as opposed to food intake," says Brigitte Reusch Edinburgh Vet School.

Two thirds (70 per cent) of cat and dog owners admitted that the reason the pet needed to lose weight was due to
too many human food treats. A lack of exercise was also cited by 70 per cent of cat and dog owners as the cause of their pet's weight problem. Most
revealing from pet owners was their revealing from pet owners was their attitude towards managing their pet's
weight. About a third of owners agreed they could be doing a lot more to keep their pet in good shape but a shocking 45 per cent and 52 per cent of dog and cat owners, respectively, claimed that their actions had little impact on their pet's weight.
"Over half of the people I see have an inkling that their pet is overweight, but they don't always make the connection to their diet, often blaming their pet's weight on lack of exercise as opposed to food intake"

Brigitte Reusch, Lecturer in Rabbit Medicine and Surgery, Edinburgh

## Vet School

The role of the "treat"
Treating pets with specially formulated peat treats on a daily hasis is fine pet treats on a daily basis is fine
provided this is done as a part of providitionally balanced diet, and is in proportion and accounted for when giving main meals.
Problems arise when pet owners treat their animal with human snacks and reats which can be higher in calories Research from the Pet Food Manufacturers Association shows that almost half of all dog daily ${ }^{9}$.

The guilt that an owner feels for not spending enough time with a pet or for be quickly the pet enough exercise can food as rewards or treats.

This is an emotive subject and one which is closely linked with the owner's relationship with food.

Many owners fail to seek advice on their pet's weight because their attitude towards treating their pet is mirrored in their own eating habits.

## Did you know that?*



* Statistics are based on a 10 kg dog, a 4.5 kg
cat and an average sized woman ${ }^{10}$


## Substituting food for love

is ${ }_{k}$ s

The emotional bond

Emotional interaction between people and their pets is vital to the relationship building process. Key to this process is owners putting effort into making time spent with pets create a healthy and enioyable bond. Emotional interaction can occur at various times such as at exercise, play and feeding time.

According to John Foster MRCVS, Chairman of the Pet Health Counc Pet ownership can have a really Dog walking or plaving with a cat is a great way for people and their pets to burn a few more calories. This is particularly important when lifestyles are becoming increasingly sedentary and obesity is a growing issue for all concerned. Results of a recent survey show that on average 70 per cent of dog-owners feel instantly better as a result of walking their pet ${ }^{11}$."


Feeding the right diet

Giving prepared foods takes the guesswork out of feeding pets. It is the equivalent to having a persona dietician preparing every meal.
There are two types of pet food, complete and complementary.

Complete pet food must legally contain all the nutrients a pet needs to support its daliy iife. By following the feecing guideines owners can have compieie
confidence that their pet is receiving just the right amount of nutritional just the right amount of nutritional
goodness. This type of food is ideal for owners with a busy lifestyle.

Complementary pet food means that owners must add other food to thei pet's diet to ensure that they receive the right combination of nutrients in a day, for example a mixer biscuit. Similarly to complete pet food, owners can easily foliow the feeding guidelines confidence that they are feeding thei pet the right amount of food. This type of food is great for owners who wan to tailor their pets' diet to what thei animal prefers.
Pet treats can be incorporated into both a complete and complementary owners to remember is that they must ensure that the volume of treats is balanced against volumes of pet food at mealtimes.
"Pet ownership can have a really positive impact on family fitness. Dog walking or playing with a cat is a great way for people and their pets to burn a few more calories"

John Foster MRCVS, Chairman of the Pet Health Council

## Walk the walk

Diet is not the only factor in determining pets' weight. In fact owners who acknowledge that their pets are overweight blame lack of treats, as opposed to fundamental problems with their pets' diets.

Ensuring that pets are taking the right amount of exercise for their breed, size and age is crucial. Exercise not only sustains physical health, it also aids motionalwe likely to be relaxed and contented pets.
"Whether pets are kept indoors o outdoors there are plenty of ways of encouraging and supporting their exercise regime. Many cases of pe obesity are significantly related to the amount of exercise the animal is pets to be relatively fit, it is important that they are kept as active as possible for their physical wellbeing," says Donna Lewis, Vice President, British Veterinary Nursing Association. "Pet owners should seek advice on both the optimum weight for their pet and an appropriate exercise programm absolutely vital to good health."

As a means of addressing the dual problem of obese owners and obese animals, a recent study demonstrated exercise programme for overweight people and pets ${ }^{12}$. Dieting dog owners have been found to lose more weight when compared to their nonpet owning peers ${ }^{13}$. "This is a clear message that a more active lifestyle for people and their pets means a big win round," according to John Foster ouncil Chirn or

The Pet Health Council has found hat pet ownership can have a really positive impact on family fitness. Parents with dogs believe that since the arrival of their four-legged friend heir children are less stressed and ther. One in three dog owners say that park more frequently since the arrival of their canine companion and 22 per cent now choose to walk the dog, rather than use their car, as they run rrands such as taking their children to school ${ }^{14}$.

Donna Lewis, Vice President, British Veterinary Nursing Association
"Many cases of pet obesity are significantly related to the amount of exercise the animal is getting"

## The heart of the issue

It has been proven that not only is who are of optimum weight but preventing pets from becoming obese can also extend their lives. A 14 year study has shown that dogs fed to lean condition from early puppyhood throughout life can enjoy up to 2 more healthy, active years ${ }^{15}$.
Recent research has indicated a link between excess body weight and disease. Fat tissue has been
discovered to be an active producer of many hormones. Amongst these are inflammatory hormones which have been proven to play a role in
the onset of chronic diseases such as the onset of chronic diseases such as
osteoarthritis, cardiovascular disease osteoarthritis, cardiovascular disease
and diabetes

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## Arthritis

The link between arthritis and obesity in pets works in two ways: firstly, pressure on the joints is increased by carrying additional weight thereby causing pain and
discomfort. discomfort.
On the other side, obesity may be symptomatic in dogs, cats and rabbits
with existing joint problems. Both aspects of the disease cause suffering to the animals and can be relieved by loss of weight, which can in turn prevent further associated problems.

## Diabetes

Diabetes is becoming increasingly common in pets and weight i
considered to be very closely linked to the condition in dogs and cats in particular.
Cats are four times more likely to develop Type 2 Diabetes if they are obese ${ }^{17}$, and 40 per cent of animals
diagnosed with NIDDM (type 2 diabetes) are obese. Excess weight is a factor in reducing the response of the body's cells to insulin - a condition known as 'insulin sensitivity'.

Weight gain is known to reduce insulin sensitivity, thereby increasing the
amount of insulin needed to move amount of insulin needed to move the body's cells to keep it functioning normally. The mammalian body's response to this is to try to increase the production of insulin, putting added pressure on the pancreas to produce it and resulting in extremely high blood
sugar levels, eventually causing illness. sugar levels, eventually causing illness
Diabetes is a life-long illness with many associated complications, urinary tract infections and diabetic cataracts. It is not curable and requires regular treatment to keep the disease under control.

Heart Disease
Heart disease affects an estimated 15 per cent of dogs in the UK, making it the second most common cause of death after cancer ${ }^{18}$. While the link between obesity and heart disease is not so prevalent in cats, obese rabbits frequently develop high resting heart rates, high blood pressure and heart disease as a consequence of their obesity ${ }^{19}$.
Financial implications of obesity

Pet ownership costs, like many costs, have risen over the past year. costs, have risen over the past year.
Clearly there are fixed costs involved in pet ownership, however there are measures that can be taken to reduce expenditure on pets' health and maintaining a pets' optimum weight is one of them. Complications caused by being overweight, from joint are the most common reasons for pets needing medical treatment. The annual cost of vets' bills is around $£ 1.5 \mathrm{bn}$ in the UK ${ }^{20}$.

## Insurance

One important cost of pet ownership nowadays is the provision of insurance. It is estimated that half of all pet owners in the UK now have that approximately 13.5 million pets are covered ${ }^{21}$.

While pet insurance can be a complex area, the issues are further complicated by the surge in obese
pets. Obesity-related claims have risen by 60 per cent over the past five years. The knock-on effect of this is that insurance companies - both in the UK and overseas - are moving towards creating exclusions for obese pets, just as their actuarial peers have done for human health insurance. Pet owners who have allowed animals to become challenged on clauses in their policies requiring them to exercise 'reasonable care' over pets. It has been suggested also that pet insurers could start cutting payouts as a penalty where pets are obese ${ }^{22}$.

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## The solution

Education, education education

The key to solving this dilemma must lie in proper education. Interestingly, in a research paper undertaken by the government on child obesity, the same conclusion has been parents is an influential factor in cases of child obesity. Instruction alone is not enough to make people change their behaviour.
Through education we can develop parents' confidence to make positive adjustments, and the same is true or obese pets to take direct action to tackle the issue.

By participating in initiatives such as the PFMA Pet Size-O-Meter it is hoped that owners will engage with the issue of pet obesity and begin to understand that misperception is a large part of the problem. What an owner believes to be a healthy weight for their cuddly pet may, in fact, be way off the mark.
Owners can also seek help weighing their pets at one of the many veterinary practices and pet retailers around the country where pets can be weighed free of charge.

## Help is at hand

The best solution to the problem of pet obesity is prevention. There are simple steps that all pet owners can take to evaluate their pet's body condition using the PFMA Pet Size-O-Meter.
"Pet owners are recommended to stick to pet food guidelines and make sure that their pets get a significant sure that their pets get a significant
amount of exercise to avoid obesity at all costs," comments George Lightfoo BA Vet MB MRCVS
By getting 'hands on with your pet' owners can quickly and easily asses detemin the best possible cour determine the best possible cours
of action. Achieving weight loss in animals can be a long and demanding process for both owners and pets so any means of preventing the problem eaching this stage is beneficial to all.


## Conclusion

Pet obesity is reaching epic proportions with one in three pets being overweight in the UK.

With nine in ten pet owners not at all concerned about their pet's weight, the job to be done to challenge perceptions, behaviour and attitudes can not be underestimated.

As with human illness, prevention is better than cure for pets. Pet owners need to act now and not wait until their pet needs to visit the vet.
For some pets by the time they display symptoms the damage may already have been done. Rabbits have signs of illness so by the time they do appear unwell, the consequences can be fatal. By regularly monitoring a pet's weight and body condition, owners can give their pet the healthy life they deserve
Education is vital to raising awareness in the UK about pet obesity. Owners need all the support we can provide to enable their pets to lead healthy and happy lives. Guidelines as to how to keep pets fit and healthy are provided by pet food manufacturers, vets, veterinary nurses and many other pet organisations and charities, so owners have a wide choice of places to turn for information and advice.

The key to beating the pet obesity epidemic is healthy living
Healthy living means eating a balanced diet, exercising everyday and socially interacting with the ones you love. This applies to both owners and pets.

Integrating healthy habits, such as exercising with your pet at least once a day, into a daily routine is a positive step in the right direction. The more we can encourage owners and pets to exercise together and to enjoy the rewards that brings, the easier such a
schedule will be for owners to follow. Pets can have an incredibly positive impact on individuals and families by helping people lose weight, increasing family fitness and reducing stress levels.
At the end of the day owners have their pets' lives in their hands. They can make a positive difference to thei pets' health and wellbeing today, no omorrow or next week but now.

The first step we recommend for owners to take is to start assessing their pets' weight on a regular basis. This can be done easily by using the PFMA Pet Size-O-Meter. This is an owners how to measure their pets' weight and body condition.

As an industry we continue to raise awareness of the issue of pet obesity and the ways in which we can avoid it. We will continue to drive the need fo vets, retailers and all those associated with animal care to work together to bring about change.

Together we can all make a difference.

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## Top five tips on managing a pet's weight

1. Don't 'wing it', read the instructions:

- Feed a nutritionally balanced diet and follow the recommended feeding guidelines
-Feeding guidelines have been carefully formulated but they are a guide and you may need to adjust feeding amounts depending on your pet's lifestyle
- Start with the
recommendations on the bag and then monitor your pet's weight and body conartion adjustments in order to ensure that your pet stays at its ideal weight

2. Treat responsibly:

- Always be responsible when feeding treats
- Reduce the size of meals accordingly
- Treats should be kept to a minimum so as not to disturb the nutritional balance of the pet food
- Human foods should be
avoided as they can be highly calorific and unsuitable

3. Don't overfeed:

- Be aware of how much you are feeding your pet as a family
- Run a rota system to keep an eye on portions and ensure treats are not doubled up

4. Do use the PFMA Pet Size-O-Meter

- Check your pet's weight and body condition
- Ask your vet for advice if you are unsure of anything
- Monitor your pet's condition on a regular basis, for instance once a month

5. Do keep fit:

- Exercise is an important element of any fitness regime but remember to introduce speak to your vet about any new fitness plans

For more info
information on how to prevent pet obesity visit:
www.pfma.org.uk

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Mixed Sources

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