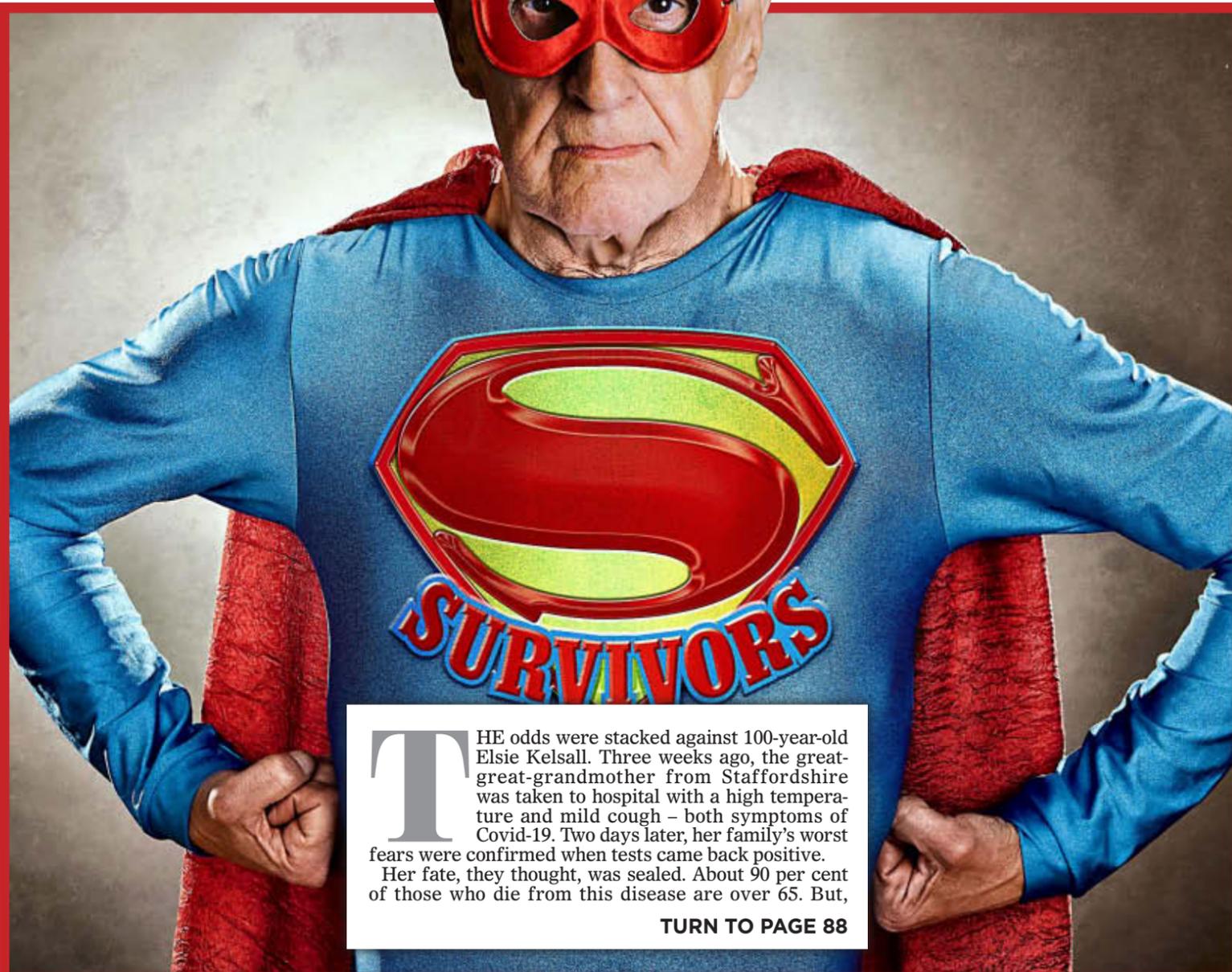


MAY 3, 2020

# Health

## WEALTH & HOLIDAYS

**COVID-19**  
**ALL YOU NEED**  
**TO KNOW TO**  
**KEEP SAFE**



**T**HE odds were stacked against 100-year-old Elsie Kelsall. Three weeks ago, the great-great-grandmother from Staffordshire was taken to hospital with a high temperature and mild cough – both symptoms of Covid-19. Two days later, her family's worst fears were confirmed when tests came back positive. Her fate, they thought, was sealed. About 90 per cent of those who die from this disease are over 65. But,  
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**Doctors can't eat cake? I doughnut believe it...**  
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**Where to invest as £35 billion in dividends dry up**  
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# What we can all learn from the 100-year-old SUPER SURVIVORS who got virus – and lived

FROM PAGE 87

amazingly, after just 12 days of treatment, Elsie was discharged.

Even more remarkably, her condition remained stable throughout and there was no need for significant medical intervention, let alone a stint in intensive care.

As Elsie left Haywood Hospital in Stoke-on-Trent in a wheelchair and with a blanket around her knees, dozens of NHS staff formed a guard of honour to clap and cheer as she passed by. Now, living at home with the support of carers, Elsie is tired but well on the road to recovery.

'My mother is a survivor,' says her 76-year-old son, Malcolm Kelsall, who runs an engineering business. 'It seems as if she has flown through the illness. She had a high temperature and a little bit of a cough, but nothing severe. It's amazing really - with some people it knocks them for six.'



ON THE MEND: MP Nadine Dorries and her mother were both struck down. Above: Britain's oldest known survivor, Connie Titchen

# Connie, 106, lived through Spanish flu pandemic and now coronavirus

**A**MID a barrage of bad news and gloomy headlines, more heart-warming stories have emerged of centenarians who have defied the odds. At 106, Connie Titchen, from Birmingham, is the oldest known person in Britain to have survived Covid-19.

The great-grandmother-of-eight, who has lived through both world wars and the Spanish flu pandemic which killed millions, was admitted to hospital with suspected pneumonia in mid-March. She tested positive for Covid-19, but after just three weeks she had made a full recovery.

Keith Watson, 101, from Worcestershire, also overcame the illness after a fall at his care home landed him in hospital. And, in the Netherlands, 107-year-old Cornelia Ras is believed to be the oldest in the world to have survived the virus. She suffered only very minor symptoms.

It's certainly a curious pattern. All the evidence suggests the biggest risk factor for death by Covid-19 is age.

Yet some emerge perfectly healthy. So just how has this select group - dubbed the super-survivors - pulled through?

'It's wonderful that some people have beaten the odds of their age group,' says Sarah Harper, professor of gerontology at Oxford University. 'But it was not unexpected that we would have survivors of every age. Some people in their 80s, 90s and 100s have a physical or psychological advantage over the majority of those their age.'

'This can be due to genetics, their environment, lifestyle - or sometimes just luck.'

The answer - among those aged beyond 100, at least - may lie in having a genetically superior immune system.

'We can speculate that these special older, and very old people, have a particular genetic make-up that contributes to a healthy immune system,' says Prof Harper.

'It's feasible that the way their immune system is responding to Covid-19 is much more similar to that of a younger person.'

According to the latest figures from the Office for National Statistics, more than a third of Covid-19 deaths have occurred in people over the age of 85.

'In general, our immune systems become slower and less effective at fighting off infections as we age,' says Professor Arne Akbar, president of the British Society for Immunology. 'This applies to viruses our body has seen before, like chickenpox, and newer ones, such as the coronavirus.'

In younger people, when new pathogens or viruses enter the body, the immune system releases white blood cells to find and destroy them. But in older people, the

immune system is less able to recognise threats. Even if it does respond, the white blood cells are less effective at stopping the disease from taking hold.

Another reason why older people bear the brunt of coronavirus is that they are much more likely to have underlying health conditions. Diabetes and heart disease, for instance, make patients far more vulnerable to severe illness caused by Covid-19.

Even so, some older people have proved exceptions to the rule. Early

in the outbreak, Health Minister Nadine Dorries contracted Covid-19 and passed it on to her 84-year-old mother, who suffers a heart condition. Both recovered, but it was Nadine, despite being more than 20 years younger, who suffered most.

As Prof Akbar explains that when it comes to ageing, everyone is different. 'Some older people are still out there cycling, jogging and running, whereas others who are younger, in their 50s even, are almost bed-ridden,' he says.

'Not everyone ages at the same rate - and there is not a fixed point where you start going downhill. Some people start that process earlier and some people later.'

However, when it comes to the very elderly, it's much more likely that the secret to surviving Covid-

19 lies with their genetics. 'There's something in their genes that makes them more resilient than other people,' says Prof Akbar. 'It means they are more likely to be able to fight off an infection such as this.'

According to the latest estimates, there are about 13,000 centenarians in the UK, of whom 800 are aged over 105.

'The over-105-year-olds tend to be much, much healthier - not only than their own cohort, but than people who are ten or even 20 years younger,' says Prof Harper. 'They seem to have very little cancer, very little cardiac disease, very low levels of diabetes, and we think they may have better physical and cognitive function generally too.'

Dozens of studies support this. One published in the Journal Of

Gerontology in 2017 compared the final six years of life in people over the age of 100 with others who died in their 80s or 90s. The German researchers found that, on average, the centenarians suffered from fewer diseases throughout life than their younger counterparts.

The increase in the number of conditions normally experienced in the last few years of life was also less marked in centenarians.

Coronavirus survivor Elsie Kelsall is one such example, having lived for most of her 100 years without any underlying health problems. 'Her short-term memory is not what it used to be, but she remembers things from 50, 60, 70 years ago no problem,' says her son Malcolm.

Separate research in Okinawa, Japan - a country that's known for

the longevity of its inhabitants - examined the health of 12 people aged 110 or over.

The researchers found they had little history of cardiovascular disease and no cancer or diabetes. The onset of chronic diseases and disabilities was also significantly delayed, often to beyond their 100th birthday.

Experts believe this evidence supports the idea that some people have a so-called 'healthy ageing phenotype' - a set of special genetic and lifestyle characteristics which helps them evade illness and disease, even in old age. But, as yet, scientists don't fully understand it or why it occurs in the people it does.

And they are yet to isolate a specific gene responsible for these extraordinary traits.

Yet some suggest that the 'healthy ageing phenotype' could help support an unusually robust immune system.

'We now understand that just as our immune system fights infectious diseases, it is also involved in fighting chronic diseases such as cancer,' says Prof Harper.

'It may be that the immune systems of these very special older adults are also able to fight off an acute infection like Covid-19.'

However, genetics do not explain the whole picture. Last month, Dr Hans Kluge, the World Health Organisation's regional director for Europe, stressed the importance of baseline fitness for overcoming the

## WHY THE AMOUNT OF VIRUS YOU GET IS CRITICAL

WHY do some people bounce back so quickly after the illness, while others spend weeks bed-bound? The answer could lie in the amount of virus an individual is exposed to.

'People who get a small amount of virus - from a handshake, or something like that - may get sick for a while and then recover,' Professor Arne Akbar, president of the British Society

for Immunology, explains. 'So in the case of hospital workers, who are continuously exposed to a large amount of virus, it's likely their recovery period will be longer.'

Many patients will suffer fatigue in the weeks after their illness - this is because the immune system's extreme response will have depleted energy levels.

As Covid-19 is a respiratory

illness, the lungs in particular may take some time before they are back to full health. 'If you listen to people who've had the infection, they may sound as if they are breathing very heavily, even after the virus has left the body,' says Prof Akbar.

'The damage has already been done - there may even be scarring in the lungs as a result of the infection.'

It will take some people a

long time to recover from that. It's not clear yet whether you could in fact be left with these difficulties for the rest of your life.'

But having healthy lungs beforehand is likely to limit the damage - and speed up the recovery time.

Evidence suggests that smokers are less able to fight the infection and will therefore face a longer recovery period.



**VIRUS FACT**  
Ground-vibration sensors in UK cities have recorded noise of up to half since the lockdown began.

GOOD TO GO: Keith Watson, 101, leaves hospital

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However, genetics do not explain the whole picture. Last month, Dr Hans Kluge, the World Health Organisation's regional director for Europe, stressed the importance of baseline fitness for overcoming the

virus for all ages. 'It is becoming clearer that the healthier you were before the pandemic plays a crucial role,' Dr Kluge said. 'People who age healthily are less at risk.'

It is an idea echoed by Sir Muir Gray, professor of primary healthcare at Oxford University and director of the Optimal Ageing Programme.

'People who are 90 or 100 vary in more ways than they are similar,' he says. 'So you have always got to be cautious when looking at chronological age alone.'

'There are four main factors which affect our health as we live longer - and each of these could have a part to play, whether we are dealing with cancer, heart disease or Covid-19.'

And with millions of older people stuck at home as a result of the pandemic, there has never been a more pressing time to be active. Falling to do so could increase the risk of frailty, and make individuals more vulnerable to illnesses, including Covid-19.

Keeping moving, Sir Muir says, is key.

'Try 15 minutes walking on the spot every day,' he suggests. 'Hold on to the back of a chair if you feel a bit unsteady. I'm 75 and I've just bought a home bicycle - I'm cycling 20 minutes a day. Stairs are also very good.'

But most importantly, he adds, remember that 'you are never too old. In fact, the older you are, the more important this becomes.'

a factory well into her 60s, according to her son.

'She's a bit frail now, but up until her 90s I used to walk with her to fetch a newspaper,' he says.

'In the past three or four years she's got a bit unsteady on her feet, but she still walks up and down the house.'

The third factor is illnesses such as lung and heart disease - often caused by lifestyle factors such as smoking and poor diet, which may be preventable.

The fourth, Sir Muir says, is belief and attitudes, with research suggesting that maintaining a sense of purpose in later life could help people resist disease and recover. He adds: 'The biological process of ageing appears to be relatively less important than fitness, acquired disease and mental attitude.'

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But most importantly, he adds, remember that 'you are never too old. In fact, the older you are, the more important this becomes.'

'In studies of people over the age of 100, physical activity is one of the main things that seems to mark them out from the rest,' he says.

A study of more than 300 Dutch centenarians, published in the European Journal Of Epidemiology, found that almost half needed just a minimum amount of help with daily tasks, while a third were fully independent. Elsie has always been active, working in

# Q&A with Dr Ellie Cannon

## Is it safe to hug my grandchildren - and can I go to DIY store?

**Q** My local DIY store has just reopened, so does that mean it's now safe to enter?

**A** B&Q reopened all of its stores last week, having closed them at the start of lockdown. DIY stores were always classed as essential and were not instructed to close by the Government. There are also calls for the opening of garden centres.

Provided that you are not in one of the vulnerable groups advised to shield or self-isolate, and you don't have any Covid-19 symptoms, it is not unsafe to go to a DIY store. But make sure you take the correct precautions.

Most stores have social distancing measures in place such as keeping two metres apart in queues outside, so make sure you stick to these.

Remember how the virus is transmitted - in droplets from the mouth or nose of an infected person. These can land on you because you are close to a person, or the germs could be on a surface such as a handle of a trolley.

Do not touch your face, wash your hands when you get home - and go when there are likely to be fewer people in the shop.

**Q** Is it safe yet for children under ten to hug their grandparents? Apparently children aren't as infectious as adults.

**A** It's true that children do not seem to be affected as severely as adults by the virus. That said, a small number of children are currently being treated in intensive care units - and even one is too many.

And some studies have suggested that children do get the virus, they just don't develop symptoms. We don't yet know the extent to which children can pass it on - but the data increasingly suggests children are unlikely to be spreaders.

It's for this reason that in Switzerland, the health ministry has allowed the hugging of grandchildren under the age of ten by their grandparents. However, the rules state there must not be regular babysitting.

Due to the lack of definitive evidence, the advice in the UK remains that grandchildren and grandparents who don't live together should not hug.

**Q** Are frostbitten toes a sign of the virus? What should I look out for?

**A** Skin changes in coronavirus are unusual. About one in five people with the infection is affected by such symptoms. It's even rarer that they occur without the other, typical symptoms such as cough, fever and tiredness.

As we learn more about the virus, experts have noticed that some sufferers have different skin complaints such as blotchy rashes, hives or even blisters.

There have been cases of patients with sore skin patches at the end of their fingers or toes, which are sometimes itchy. They look a bit like frostbite or chilblains.

In coronavirus patients, this occurs due to a small amount of bleeding under the skin.

Many viral infections cause skin changes ranging from simple rashes in children to frightening bruises.

If a skin reaction occurs with other symptoms such as fatigue, a cough or temperature, then, of course, talk to NHS 111 about the possibility of Covid-19.

However, if the skin issues occur without any other problems, the cause is far more likely to be something else.

**Q** I'm over 65 and had symptoms last week but they've now disappeared. Can I still get one of the at-home tests?

**A** Anyone aged over 65 is eligible for a free test for coronavirus and can apply via the Government website.

Each day a new batch will be made available but they run out quickly, so apply early.

At-home tests are available, as are appointments at local test centres.

The timing of the test is crucial. The test detects active virus, so this is most accurate when you are unwell and in the first five days of illness.

Apply as soon as you are ill, as there may be a day or two delay to access it.

If you take the test after the five-day period, the amount of virus in your body is likely to have reduced dramatically.

This means there's a high chance of a negative result, even if you do in fact have the virus. This is what doctors call a false negative. There is hope for an antibody test in the near future, which can tell if you've previously had it.