

5G FACTS – What you need to know

Why you need to be concerned: 5G is harmful to:

- Human health – babies, pregnant women, children & those with EMF sensitivity are particularly at risk
- Wildlife – animals and plants – particularly insects (including bees) and birds
- Environment: high energy footprint, mining rare metals, space debris of 5G satellites
- Cyber security and personal privacy

- **5G rollout remains frozen in Brussels**, due to safety concerns. Here in the South West a number of councils including Glastonbury, Frome, Shepton Mallet and Totnes have halted the rollout of 5G in their towns. Nearly 200,000 scientists, doctors, engineers, citizens and organisations have signed an international appeal to stop 5G. A copy of the petition was handed to Downing Street on 22nd January 2020.

- Another international appeal signed by over 250 scientists from 42 nations has been given to the UN. All these scientists have peer-reviewed papers on the **biological or health effects of non-ionizing electromagnetic fields used for wireless communications**. These scientists have criticised the World Health Organisation for not fulfilling its role to protect people.

- Bristol hosted the UK's first public trials on the new 5G testbed in March 2018. Bristol University has been awarded a large grant to develop 5G technology and Millennium Square has been used as a test bed. Bristol was the second wave of cities to get 5G starting in July 2019 and being rolled out currently over various networks. Bristol is seen as a flagship 5G 'Smart City' collaborating with *Bristol is Open*. Check 5G coverage in your area on 5g.co.uk/coverage

- This is just the start. 5G infrastructure may require larger masts and closely packed antennas every few metres and on lampposts and outside houses. The plan is for a 'blanket' of 5G microwave radiation covering every area of the city with potentially 50,000 plus satellites orbiting the earth. **There will be no escape.**

- 5G has undergone no safety testing. We are the guinea pigs. Public Health England (PHE) claims that electromagnetic radiation (EMR) is safe because the World Health Organisation's IARC committee gives EMR only a Class 2B rating, a possible carcinogen. IARC has not updated this classification since 2011.
 - PHE also relies on ICNIRP for safety guidelines. ICNIRP is not a medical authority and lacks credibility as an independent body – most recently dismissed by an Italian court for its conflicts of interest with industry. ICNIRP considers only heating to be a potential danger and does not recognise biological effects at below thermal levels. ICNIRP is the mouthpiece of the telecommunications companies, according to a new report by two MEPs. Many countries including Russia, China and India have safety level limits orders of magnitude below those in the UK.

- In 2018 the USA government's National Toxicology Program \$24m 10year study reported and found **clear links between tumours and mobile phone use**. PHE and ICNIRP dismiss this study as being of little consequence. PHE ignores international scientists who

now, after the NTP study, believe that the IARC classification should be upgraded to a **definite carcinogen**.

- Electromagnetic radiation can cause damage to your heart, cause brain tumours, neurological problems, depression and anxiety. All these health effects are the major causes of death. Is it any wonder that life expectancy has stalled in the last 10 years, according to the Marmot Report, given that we have massively increased our exposure to EMR?
- Children and babies absorb up to 60% more microwave radiation than adults. The Government has known since the Stewart Report in 2000, 20 years ago, about the risks to children. No action was taken then. Cancers are now the main cause of death in children.
- Symptoms that Bristolians might experience in the short term are nausea, headaches, nose bleeds and in the longer term, according Professor Emeritus of Biochemistry Dr Martin Pall, side-effects may include lowered fertility, neurological damage, cell apoptosis, DNA damage, free radical damage, hormonal effects, excessive intracellular calcium, and cancer. **Tell your doctor if you are at all concerned**
- We are not the only ones who are worried. The insurance industry will not underwrite the health risks. Swiss Re and Lloyds of London have refused to take on any liability. They fear a repeat of the asbestos crisis – another example of something once believed to be safe.
- 5G is touted as ‘green tech’ and as a way of fighting climate change. But the vast data allowances will use more electricity and increase carbon footprints; trees will have to be felled because they get in the way of signals (over 5,000 already gone in Sheffield); pollinators such as bees may be harmed. Buglife, UK’s leading insect charity, has stated that electromagnetic radiation poses a ‘credible threat to wildlife
- In July 2020, Boris Johnson, banned Chinese Telco Huawei from the UK’s 5G network recognising the threat to our privacy and cyber security. With so much data being harvested, and technologies such as facial recognition being available, how can we be certain we are not sliding into dictatorship?
- As it is, the Government is trying to take away the rights of local communities to determine their own futures. Planning laws are being changed to make objection more difficult. Please support us in our campaign to persuade Bristol City Council to protect us from harm and preserve our freedom and wellbeing.
- A legal case led by Human Rights veteran, Michael Mansfield, QC is challenging the UK government to protect the public from 5G

ONCE PROOF OF HARM IS OBTAINED, THE DAMAGE IS ALREADY DONE...

**WE DEMAND AN INVOCATION OF THE PRECAUTIONARY PRINCIPLE
AND WE DO NOT CONSENT TO BE PART OF THIS EXPERIMENT ON HUMAN BEINGS.**

Join our Bristol Stop 5G Campaign at [Stop5g.co.uk/Bristol](https://stop5g.co.uk/Bristol) Join

our Facebook Group: [Bristol Residents for Safe Technology](https://www.facebook.com/BristolResidentsforSafeTechnology)

Find out more about the dangers of 5G & sign petitions at [Stop5G.co.uk](https://stop5g.co.uk)