



**Eileen O'Connor**  
**UK Radiation Research Trust**  
**(RRT)**  
**Charity Director**



**The Great Resist**  
**Gateshead**  
**Sunday 8th September 2024**

<http://www.radiationresearch.org>





## Eileen O'Connor

- Co-founder and Charity Director for the Radiation Research Trust (RRT) 2003 to date: [www.radiationresearch.org](http://www.radiationresearch.org)
- Co-founder and Board member for the International EMF Alliance 2009 to date: <http://www.iemfa.org>
- Previous Member of the European Commission Stakeholder Dialogue Group on EMF (helped the EU Commission to form group) 2011 – 2014
- Previous Member of UK Health Protection Agency – Radiation Protection Division EMF Discussion Group Chaired by Sir William Stewart HPA Chairman 2006-2008
- Co-Founder and Chair of SCRAM (Seriously Concerned Residents against Masts) 2002 – 2005





# T-Mobile Wishaw Phone Mast

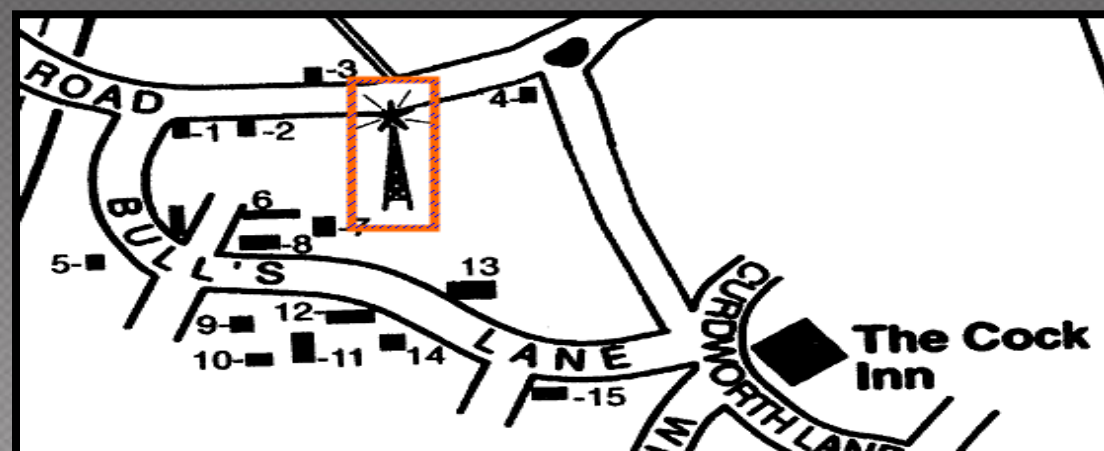
## Wishaw Phone Mast Cancer/illness cluster

The T-Mobile Wishaw phone mast 1994-2003

It was calculated that 77% of residents suffered with symptoms associated with radiation from the mast.

Phone mast removed 2003 - Many of the residents reported a restored feeling of well-being, improvement in sleep patterns and increased energy levels. Headaches and dizzy symptoms disappeared.

Map of 18 houses in small village up to 500m surrounding the mast.





# T-Mobile ECOLOG report

## **T-Mobile claimed the Wishaw phone mast was safe without disclosing details for the T-Mobile ECOLOG report from Germany**

The ECOLOG review of over 220 peer reviewed and published papers found evidence for:

- Effects on central nervous system
  - Cancer initiating and promoting effects
  - Impairments of certain brain functions
  - Loss of memory and cognitive function
- Ecolog called for an immediate downward regulation for the ICNIRP guidelines

**This study, profound in its conclusions of harm, was not circulated and only remained in German until discovered and translated by HESE UK many years later.**

**The ECOLOG Report was not made available to residents in Wishaw**





# Masts Surveys: 97% Health Problems

## Epidemiological Evidence for a Health Risk from Mobile Phone Base Stations

Worldwide list of all peer-reviewed scientific studies of human health around mobile phone base stations, as of end May 2020. Out of 33 studies, 32 (or 97%) report health problems.

<https://www.radiationresearch.org/wp-content/uploads/2023/01/scientific-studies-of-human-health-around-mobile-phone-base-stations.pdf>

The only study that did not find problems, is highlighted by Martin Roosli in his review on masts for ICNIRP. A study of cancer in Bavaria that by its own admission did not have sufficient controls.





# DNA Damage: REFLEX STUDY

## REFLEX STUDY - from 2000 to 2004

Radiation from Mobile Phones damage DNA. Study cost more than 3 million euros and involved 12 research groups in 7 European countries.

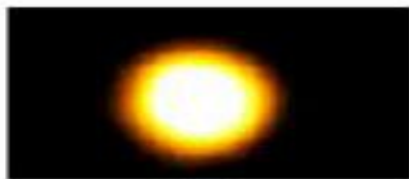
The project showed that ELF-EMF had genotoxic effects on primary cell cultures of human fibroblasts and on other cell lines. The image below is of an unexposed (sham) cell and a cell showing damage after 24h exposure to mobile phone radiation. This is similar to damage of cells exposed to 1600 chest x-rays.

[https://ehtrust.org/wp-content/uploads/REFLEX\\_ProgressSummary\\_231104-1.pdf](https://ehtrust.org/wp-content/uploads/REFLEX_ProgressSummary_231104-1.pdf)

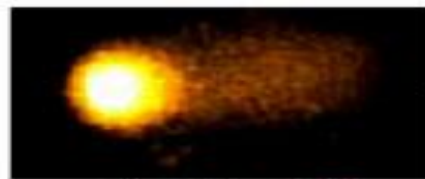
### REFLEX

#### Comet-Assay

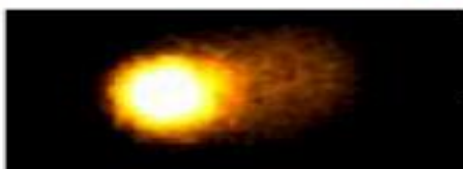
Ein typisches Bild nach RF-EMF-Exposition von HL60 Zellen



sham



$\gamma$ irradiation, 0.5 Gy



RF-EMF, 1800 MHz, SAR 1.3 W/kg, 24h, continuous wave

1600 chest x-rays

24 h mobile phone  
SAR=1.3 W/kg

ICNIRP/WHO = 2 W/kg





## WHO: Class 2b Carcinogen

# In 2011 members of IARC classified the entire RF/EMF spectrum as 2B Possible Human Carcinogen

The International Agency for Research on Cancer (IARC) is a sub-group of the World Health Organization with its role to monitor and identify global causes of cancer. In 2011 members of IARC classified the entire RF/EMF spectrum as **'2B Possible Human Carcinogen'**

The vote was: 29 to 1. [https://www.iarc.who.int/wp-content/uploads/2018/07/pr208\\_E.pdf](https://www.iarc.who.int/wp-content/uploads/2018/07/pr208_E.pdf)

Many doctors and scientists are now calling for an urgent upgrade the classification of RF - EMF from 2B to **Group 1 (Known Carcinogen)**, the same category as tobacco. Dr Hardell stated unequivocally:

**"The agent is carcinogenic to humans."**





## Cancer Link Studies

The evidence of increased cancer risks has since been strengthened by further human studies, as well as toxicology studies in animals , which demonstrated clear evidence of tumours.

The \$30 million US National Toxicology Program (NTP) RF studies and the Italian Ramazzini Institute ten year research project **both found clear evidence of malignant tumours.** Two different institutes with laboratories in different countries, totally independent of each other and both producing parallel consistent findings, reinforces the validity of these ground-breaking animal studies.







## BioInitiative: Helpful Guidelines

### The BioInitiative Working Group

- Bioeffects have clearly been established to occur with very low exposure (non-thermal levels) to electromagnetic fields and radiofrequency radiation according to many doctors and scientists. The BioInitiative Working Group reviewed **thousands of peer reviewed scientific papers**. This group of experts calls for the precautionary approach and **urgent action due to chronic EMF-related diseases that are a potential risk for everyone**. These diseases include adverse effects on the central nervous system, cancer, both initiating and promoting effects, impairments of certain brain functions, loss of memory and cognitive function, infertility, and immune dysfunction.

- <https://bioinitiative.org/>





## Jenny Fry

A 15 year old school girl Jenny Fry committed suicide in Oxfordshire in 2015

Jenny was suffering with electrosensitivity. Her mother contacted the school who refused to turn off the wifi. **No one would listen** including the local Education Department, the Chief Scientific Officer, the Chief Medical Officer, the National Radiological Protection Board, the Health Protection Agency, Public Health England, her MP and GP,





# Electrosensitivity: Legal Case

## Legal case won for a Child with Electrosensitivity

August 2022

**The case, EAM v East Sussex County Council (Special educational needs) features a child who suffers with Electrosensitivity.** The Upper Tribunal Judge Jacobs found that the child should be considered disabled under the Equality Act 2010, and required an Education, Health, and Care Plan (EHCP).

[Education Health Care Plan \(EHCP\) awarded \(Aug 2022\) for UK child on the basis of Electromagnetic Hypersensitivity \(EHS\). – Phire Medical](#)





# Deaths of two Children

## Deaths of Two Children

**July 2024 - EM Radiation Research Trust sent an urgent letter to the UK Health Security Agency calling for an investigation into the 4G-LTE (Long Term Evolution)(phone mast right next to Millstead Primary School, Everton following the deaths of two children.**

Glynn Hughes from EMF Protection recoded the highest peak reading he has ever taken in the UK at **1,554932  $\mu\text{W}/\text{m}$  using the FM5 meter.** The postcode area for the school provides details for a number of telecom operators that are currently using 2G, 3G, 4G, 5G and 5G ultra. View the video <https://www.youtube.com/watch?v=eP8vnY5e6Z0>





**Two children, aged 5 and 6, from same Liverpool special needs primary school have died. Was it radiation that killed them?**

**'Eileen O'Connor, Director EM Radiation Research Trust Charity, is concerned by the positioning of the 4G tower so close to the school and nearby flats.'**

**Report by Richard Vobes**

[https://www.youtube.com/watch?v=jT\\_gMOXrK84](https://www.youtube.com/watch?v=jT_gMOXrK84)





## Summary of seven Swedish case reports on the microwave syndrome associated with 5G radiofrequency radiation

Professor Lennart Hardell and Mona Nilsson of the Swedish Radiation Protection Foundation recorded similar peak readings in Sweden. **RF radiation reached >2,500,000 to >3,180,000  $\mu\text{W}/\text{m}^2$  in peak maximum value in three of the studies.**

Reports include a total of 16 people aged between 4 and 83 years that developed microwave syndrome within a short time after being exposed to 5G base stations. Most severe were sleeping difficultly (insomnia, waking night time, early wake-up), headache, fatigue, irritability, concentration problems, loss of immediate memory, emotional distress, depression tendency, anxiety/panic, burning and lancinating skin, cardiovascular symptoms, shortness of breath and pain in muscles and joints.

<https://pubmed.ncbi.nlm.nih.gov/38889394>





## EMF Alert: World Council for Health calls for an immediate and thorough investigation into the deaths of the children at primary school in Liverpool

### This Is Not An Isolated Case

This event echoes similar stories across the globe. In 2019, [a cell phone tower at an elementary school in California was shut down](#) after eight children were diagnosed with cancer.

<https://expose-news.com/2024/08/06/emf-alert-wch-calls-for-an-investigation>

**EMF Alert: World Council for Health calls for an immediate and thorough investigation into the deaths of the children at primary school in Liverpool**





# Response to the RRT letter received from UK Health Security Agency on 30<sup>th</sup> August 2024

The Health Security Agency claim the mast at the school is working within safe levels based on the ICNIRP 2020 guidelines. They also claim the levels will not present a material risk for human health.

The EM Radiation Research Trust has now called on the Health Security Agency to issue a guarantee letter that ensures the safety of RF/EMF technology, phone masts, antennas, including 5G installations and confirm that the UK Health Security Agency is the legal and financial guarantor of this.







The EM Radiation Research Trust Responded on 4<sup>th</sup> and 6<sup>th</sup> September 2024 with a set of additional simple questions:

**Is it wise to ignore the International Declaration on Human Rights of Children in the Digital Age?**

This Declaration calls for the protection of children from involuntary exposure to non-ionizing radiation (NIR). This reports provides a large and growing body of independent, peer-reviewed scientific studies that demonstrated that man-made NIR has adverse biological effects.

<https://www.thechildrensdeclaration.org/the-declaration>





## Is it wise to ignore advice from The UK Stewart Report 2000?

**In 2000 the UK Government set up a committee to investigate the impacts of RF/microwave radiation. The committee was chaired by Sir William Stewart, Chairman of the UK Health Protection Agency and formerly Chief Scientific Adviser to the Government. This important investigation called for a precautionary approach due to the scientific uncertainties.**

- **Section 1.18** There is now scientific evidence, however, which suggests that there may be biological effects occurring at exposures below these guidelines.
- **Section 1.19** We conclude therefore that it is not possible at present to say that exposure to RF radiation, even at levels below guidelines, is totally without potential adverse health effects, and that the gaps in knowledge are sufficient to justify a precautionary approach.
- **Section 1.42** The beam of greatest RF intensity should not be permitted to fall on any part of the school grounds or buildings without agreement from the school and parents.
- **Section 1.53** Children may be more vulnerable because of their developing nervous systems, the greater absorption of energy in the tissues of the head and a longer lifetime of exposure





## Is it wise to ignore concerns raised about ICNIRP?

There are concerns regarding government's use of the ICNIRP 2020 radiation guidelines as highlighted in the paper by Flydal et al. (2022) Self-referencing authorships behind the ICNIRP 2020 radiation protection guidelines. This paper concludes: **literature used in ICNIRP 2020 to underpin its guidelines is neither varied, nor independent or balanced, and is by no means consistent with current scientific knowledge as claimed by ICNIRP 2020.**

This review shows that the ICNIRP 2020 guidelines fail to meet fundamental scientific quality requirements as to being built on a broad, solid, and established knowledge base, uphold a view contrary to well established knowledge within the field, and therefore cannot offer a basis for good governance when setting RF exposure limits for the protection of human health.

<https://pubmed.ncbi.nlm.nih.gov/35751553>





## Is it wise to ignore concerns raised about ICNIRP?

### The International Commission on the Biological Effects of Electromagnetic Fields (ICBE-EMF) group called for a moratorium on 5G.

A peer-reviewed paper on October 18, 2022

This paper warns about the risks of exposure to radiation from 5G technology and claims that existing exposure limits for wireless radiation are inadequate, outdated, and harmful to human health and wildlife. The ICBE-EMF group reports that exposure limits for RF radiation set by ICNIRP and the FCC are based on invalid assumptions and outdated science. <https://ehjournal.biomedcentral.com/articles/10.1186/s12940-022-00900-9>





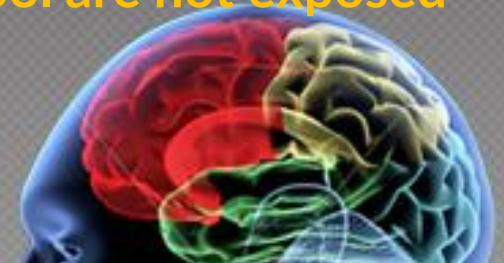
# UK Health Security Agency Safety Guidance?

The UKHSA provided a link to their guidance, and paragraph 5 states the following:

*With some of the larger and more powerful base stations, there can be regions around the antennas within which the guideline levels can be exceeded. Operators identify the extent of any such regions and prevent access to them by the public.*

EM Radiation Research Trust Question

*In the interests of public safety, please can you advise where these zones reside to ensure that the children of the school are not exposed to harmful levels of radiation?*





The UKHSA guidance, paragraph 3 claims the following:

*'Independent expert groups in the UK and at International levels have examined the accumulated body of research evidence. Their conclusions support the view that health effects are unlikely to occur if exposures are below international guideline levels.'*

Response from EM Radiation Research Trust

Both the ICNIRP 1998 and 2020 Guidelines categorically state that there is a risk to certain individuals with *metallic implants*. 2020

*'Interference with pacemakers may occur at levels below the recommended reference levels. Advice on avoiding these problems is beyond the scope of the present document. 1998'*





## Recent High Court ruling in Thomas vs Cheltenham Borough Council

The court found that the authority's failure to address potential impacts of the proposed equipment on individuals with medical implants constituted an error.

The court emphasized the need for engagement with objectors to address health concerns and encouraged further dialogue between the parties involved.

The judge ruled in Mr Thomas's favour in that there was a risk to this group of people below the threshold limits and that this needed to be taken into account by the authority.

<https://www.casemine.com/judgement/uk/663a735283075d3d98341c7b>





## Consider sending the EM Radiation Research Trust letters to your MP and call on them to listen to the independent scientific experts on the biological effects of Electromagnetic Fields

**16th July 2024** Letter Calling for an investigation into the deaths of the two children.

<https://www.radiationresearch.org/wp-content/uploads/2024/07/Two-children-died-Millstead-Primary-School-Everton-Liad-St-Liverpool-L5-3LU-concerns-raised.pdf>

**4th September 2024** Letter responding to UK Health Security Agency from the EM Radiation Research Trust Calling for a full investigation into the phone mast near Millstead School following the deaths of the two children

<https://www.radiationresearch.org/news/response-to-uk-health-security-agency-from-the-em-radiation-research-trust-calling-for-a-full-investigation-into-the-phone-mast-near-millstead-school-following-the-deaths-of-the-two-children/>

**6th September 2024** Further Response to UK Health Security Agency from the EM Radiation Research Trust Calling for a full investigation into the phone mast near Millstead School following the deaths of the two children

<https://www.radiationresearch.org/news/em-radiation-research-trust-additional-response-sent-to-uk-health-security-agency/>







Protect yourself, your family, friends and colleagues.

Lower or eliminate wireless exposures in your home and workplace. Demand the removal of wifi in schools replace with hard wire options.

Object to phone mast applications. Write to your MP and local councillors and attend Council public meetings and raise questions.

Use the RRT Non-Consent forms send to MP's and Councillors

<https://www.radiationresearch.org/news/em-radiation-research-trust-non-consent-form>

All information is free to download from our website

5G EVENTS & UPDATES

## TAKE ACTION

- EDUCATE YOURSELF
- RAISE AWARENESS
- VISIT YOUR DOCTOR
- WRITE TO YOUR MP
- SIGN RELEVANT PETITIONS



Visit [the5gfacts.co.uk](https://www.the5gfacts.co.uk)  
for more information

