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## Public Health, including Electromagnetic Hypersensitivity (EHS), and Wifi health dangers

### Wifi health dangers

Wifi is regarded as a serious threat to public health by the majority of scientists.

Wifi and similar wireless radio frequency radiation can cause:

- Cancer (the World Health Organization classifies Wifi as a 2B possible carcinogen)
- Cardiovascular and neurological problems
- EHS and related specific symptoms
  - Pall ML: "Wi-Fi is an important threat to human health" Environ Res. (2018) [Environ Res. Article](#).
  - [IARC Classifies radiofrequency electromagnetic fields as possibly carcinogenic to humans](#)
  - [ES-UK Selected Studies on Electrosensitivity \(ES\) and Electromagnetic hypersensitivity \(EHS\)](#)

### Responsibility for protection against Wifi dangers

- **Local authorities:** since 2013 Local Authorities are required to improve public health, with an elected cabinet member supported by a director of public health.
- **Local planning authorities:** a core principle of [National Planning Policy Framework 2012](#) (NPPF) requires local planning authorities to "support local strategies to improve health" (§17) and "to prevent unacceptable risks from pollution" (§120), although the NPPF also prohibits "health safeguards if the proposal meets (ICNIRP International Commission guidelines for public exposure" (§46) (*see below*).
- **The Secretary of State for Health** is responsible for protection from Wifi dangers.
- **Businesses providing Wifi connectivity and individual persons using smart phones and devices with Wifi connectivity** are individually responsible.

### Access for people intolerant of Wifi radiation

Anyone who is handicapped by, or intolerant of, Wifi radiation is protected by law against access discrimination if the Wifi radiation is not removed or shielded:

- [Health and Safety at Work Act 1974](#)
- [Equality Act 2010](#)

### International guidelines for safety levels for Wifi radiation

Long-term limits and for people intolerant of EMF:

- [Bioinitiative 2012](#)
- [EUROPAEM EMF Guidelines \(2016\)](#)
- [IGNIR](#)

*(In contrast, the 1998 ICNIRP limits prevent only a rise in body temperature of one degree over six minutes (which is also possible from exercise), and not the established long-term effects from electro-magnetic energy, like cancer, neurological and cardiovascular harm and infertility. The [European Parliament](#) voted in 2009 that ICNIRP's 6-minute heating limits are 'obsolete' and should be replaced. [ICNIRP](#) warned in 2002 that "certain sensitive individuals" need limits below its heating limits.)*

### Replacing dangerous Wifi with safe ethernet cables

- A safe option is to replace Wifi connectivity with ethernet cables.
- As a minimum, doctors recommend switching off Wifi when it is not in use, especially at night, and keeping away from Wifi routers. [USA Job Accommodation Network \(JAN\)](#)