Strålskyddsstiftelsen
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Fact Sheet on Mobile Phone Masts and Health

Microwave or radiofrequency radiation emitted by mobile phone masts and mobile phone base stations may pose a health risk according to many studies listed in this Fact Sheet.

Introduction

The majority of studies investigating the health of people living near mobile phone masts or base stations have shown an increased risk of a group of symptoms that for decades has been referred to as the microwave syndrome or radiofrequency sickness. Repeated studies also show that mobile phone masts increase the risk of cancer among nearby residents. One study shows an increased occurrence of DNA damage, another an increased occurrence of chromosomal alterations/DNA damage and oxidative stress, and another shows an increased occurrence of micronuclei among schoolchildren near mobile phone base stations; one study shows changes in white blood cells associated with the immune system, and another shows an increased risk of ALS. This fact sheet presents more than 40 studies that, taken together, show an increased risk of ill health among people living near mobile phone masts/base stations.

To date, only less than 10 investigations, all case studies, have examined the health of people living near mobile phone masts or base stations. These are case studies of health effects following the deployment of 5G antennas (ref 33-40). There are still no studies investigating associations between exposure to radiation from mobile phone masts or base stations and Alzheimer's disease or dementia, although there is evidence from animal laboratory studies suspecting an association. There are several epidemiological studies reporting an increased risk for Alzheimer's disease from long term exposure to low-frequency magnetic fields.

No study has investigated the health risks of long-term exposure to 4G+ and 5G at or close to permitted exposure levels from FCC or ICNIRP. There is therefore no scientific evidence to support the claim that real life exposure to 4G+ and 5G below FCC or ICNIRP limits does not pose health risks.

Studies reporting negative effects from mobile phone masts/base stations on human health

All adverse effects reported below have occurred well below the limits from FCC and ICNIRP.

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