

## **[Subjective symptoms reported by people living in the vicinity of cellular phone base stations: review]**

[Article in Polish]

**Bortkiewicz A, Zmyslony M, Szyjkowska A, Gadzicka E.**

Zakładu Fizjologii Pracy i Ergonomii, Instytutu Medycyny Pracy im. prof. J. Nofera w Łodzi. alab@sunlib.p.lodz.pl

The problem of health effects of electromagnetic fields (EMF) emitted by cellular phone base stations evokes much interest in view of the fact that people living in their vicinity are fated to continuous exposure to EMF. None of the studies carried out throughout the world have revealed excessive values of standards adopted by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). A questionnaire was used as a study tool. The results of the questionnaire survey reveal that people living in the vicinity of base stations report various complaints mostly of the circulatory system, but also of sleep disturbances, irritability, depression, blurred vision, concentration difficulties, nausea, lack of appetite, headache and vertigo. The performed studies showed the relationship between the incidence of individual symptoms, the level of exposure, and the distance between a residential area and a base station. This association was observed in both groups of persons, those who linked their complaints with the presence of the base station and those who did not notice such a relation. Further studies, clinical and those based on questionnaires, are needed to explain the background of reported complaints.

Publication Types:

- Review
- Review, Tutorial

PMID: 15620045 [PubMed - indexed for MEDLINE  
lish]

**Bortkiewicz A, Zmyslony M, Szyjkowska A, Gadzicka E.**

Zakładu Fizjologii Pracy i Ergonomii, Instytutu Medycyny Pracy im. prof. J. Nofera w Łodzi. alab@sunlib.p.lodz.pl

The problem of health effects of electromagnetic fields (EMF) emitted by cellular phone base stations evokes much interest in view of the fact that people living in their vicinity are fated to continuous exposure to EMF. None of the studies carried out

throughout the world have revealed excessive values of standards adopted by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). A questionnaire was used as a study tool. The results of the questionnaire survey reveal that people living in the vicinity of base stations report various complaints mostly of the circulatory system, but also of sleep disturbances, irritability, depression, blurred vision, concentration difficulties, nausea, lack of appetite, headache and vertigo. The performed studies showed the relationship between the incidence of individual symptoms, the level of exposure, and the distance between a residential area and a base station. This association was observed in both groups of persons, those who linked their complaints with the presence of the base station and those who did not notice such a relation. Further studies, clinical and those based on questionnaires, are needed to explain the background of reported complaints.

Publication Types:

- Review
- Review, Tutorial

PMID: 15620045 [PubMed - indexed for MEDLINE]