## A selection of 139 scientific papers that indicate health effects of cell-phone use

26-Nov-10  
This partial list shows recent studies (mostly since 2000) that found an effect from radio frequency electromagnetic fields at or below the power levels of mobile phones (i.e. equivalent to SAR 2 W/kg - many exposures are much lower than this). If all positive studies were included there would be more than 500.

**green** indicates a key introductory paper.

<table>
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<tr>
<th>Date</th>
<th>First author</th>
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<tbody>
<tr>
<td>9a Jun-10</td>
<td>Interphone group</td>
<td>Appendices 1 and 2. These are only available in the on-line version of the journal and need to be downloaded separately (free access).</td>
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<td><a href="http://ije.oxfordjournals.org/content/suppl/2010/05/06/dyg079.DC1/Interphone_Appendix1.full">http://ije.oxfordjournals.org/content/suppl/2010/05/06/dyg079.DC1/Interphone_Appendix1.full</a></td>
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<td>9b Jun-10</td>
<td>Interphone group</td>
<td>Appendix 2 is VERY important regarding the risks after 10 years of mobile phone use.</td>
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<td><a href="http://ije.oxfordjournals.org/content/suppl/2010/05/06/dyg079.DC1/Interphone_Appendix2.pdf">http://ije.oxfordjournals.org/content/suppl/2010/05/06/dyg079.DC1/Interphone_Appendix2.pdf</a></td>
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</table>
The controversy about a possible relationship between mobile phone use and cancer

Environ Health Perspect. 2009 Mar; 117(3):316-24

Estimating the risk of brain tumors from cellphone use: Published case-control studies

Pathophysiology. 2009 Aug; 16(2-3):137-47

Mobile phone use and risk of tumors: a meta-analysis

J Clin Oncol. 2009 Nov 20; 27(33):5565-72

Electromagnetic fields and DNA damage

Pathophysiology. 2009 Aug; 16(2-3):79-88

Reproductive and developmental effects of EMF in vertebrate animal models

Pathophysiology. 2009 Aug; 16(2-3):179-89

Genotoxic effects of radiofrequency electromagnetic fields

Pathophysiology. 2009 Aug; 16(2-3):89-102

Genetic damage in subjects exposed to radiofrequency radiation

Mutat Res. 2009 Mar-Jun;681(2-3):259-70

Risks of carcinogenesis from electromagnetic radiation of mobile telephony devices

Exp Oncol. 2010 Jul; 32(2):54-60

Mobile phone affects cerebral blood flow in humans


Mobile telephone use is associated with changes in cognitive function in young adolescents

Bioelectromagnetics. 2009 Dec; 30(8):678-86

Effects of radiofrequency electromagnetic waves (RF-EMW) from cellular phones on human ejaculated semen: an in vitro pilot study


Effect of cell phone usage on semen analysis in men attending infertility clinic

Fertil Steril. 2008 Jan; 89(1):124-8

Association of mobile phone radiation with fatigue, headache, dizziness, tension and sleep disturbance in Saudi population


Effects of 900-MHZ radio frequencies on the chemotaxis of human neutrophils in vitro


The influence of the call with a mobile phone on heart rate variability parameters in healthy volunteers

Ind Health. 2008 Aug; 46(4):409-17

doi:10.2521/PIERS060907172142

The Effects of 884 MHz GSM Wireless Communication Signals on Self-reported Symptom and Sleep (EEG)- An Experimental Provocation Study

PIERS Online Vol. 3 No. 7 2007 pp: 1148-1150

900 MHz electromagnetic field exposure affects qualitative and quantitative features of hippocampal pyramidal cells in the adult female rat

Brain Res. 2009 Apr 10; 1265:178-85
<table>
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<tr>
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<tr>
<td>10 Nov-02</td>
<td>Beason R</td>
<td>Responses of neurons to an amplitude modulated microwave stimulus</td>
<td>Neurosci Lett 2002 Nov 29; 333(3):175-8</td>
<td>[12429376]</td>
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<td>11 Oct-09</td>
<td>Belyaev IY</td>
<td>Microwaves from Mobile Phones Inhibit 53BP1 Focus Formation in Human Stem Cells Stronger than in Differentiated Cells: Possible Mechanistic Link to Cancer Risk</td>
<td>Environ Health Perspect. 2009 Oct 22. [Epub]</td>
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<td>Belyaev IY</td>
<td>Microwaves from UMTS/GSM mobile phones induce long-lasting inhibition of 53BP1/gamma-H2AX DNA repair foci in human lymphocytes</td>
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<td>Exposure of rat brain to 915 MHz GSM microwaves induces changes in gene expression but not double stranded DNA breaks or effects on chromatin conformation</td>
<td>Bioelectromagnetics. 2006 May; 27(4):295-306</td>
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<td>915 MHz microwaves and 50 Hz magnetic field affect chromatin conformation and 53BP1 foci in human lymphocytes from hypersensitive and healthy persons</td>
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<td>Cao Z</td>
<td>Effects of electromagnetic radiation from handsets of cellular telephone on neurobehavioral function</td>
<td>Wei Sheng Yan Ji. 2000 Mar 30; 29(2):102-3</td>
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<td>18 Jan-10</td>
<td>Carrubba S</td>
<td>Mobile-phone pulse triggers evoked potentials</td>
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<td>D'Ambrosio G</td>
<td>Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure</td>
<td>Bioelectromagnetics. 2002 Jan; 23(1):7-13</td>
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<td>26 Jul-08</td>
<td>Divan H</td>
<td>Prenatal and Postnatal Exposure to Cell Phone Use</td>
<td>Epidemiology. 2008 Jul; 19(4):523-9</td>
<td>[15869902]</td>
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<td>38 May-08</td>
<td>George DF</td>
<td>Non-thermal effects in the microwave induced unfolding of proteins observed by chaperone binding</td>
<td>Bioelectromagnetics. 2008 May; 29(4):324-30 <a href="http://www.ncbi.nlm.nih.gov/pubmed/19744173">http://www.ncbi.nlm.nih.gov/pubmed/19744173</a></td>
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<td>41 Non-09</td>
<td>Hardell L</td>
<td>Long-term use of cellular phones and brain tumours - increased risk associated with use for &gt; 10 years</td>
<td>Occup Environ Med. 2007 Sep; 64(9):626-32 <a href="http://www.ncbi.nlm.nih.gov/pubmed/17409179">http://www.ncbi.nlm.nih.gov/pubmed/17409179</a></td>
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Environ Res. 2006 Feb; 100(2):232-41

46 Sep-05 Hardell L Use of cellular or cordless telephones and the risk for non-Hodgkin's lymphoma
Int Arch Occup Environ Health. 2005 Sep; 78(8):625-32

47 Mar-03 Hardell L Vestibular schwannoma, tinnitus and cellular telephones
Neuroepidemiology 2003 Mar-Apr; 22(2):124-9

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Int J Oncol. 2003 Feb; 22(2):399-407

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Bioelectromagnetics. 2003 May; 24(4):262-76

51 Oct-00 Huber R Exposure to pulsed high-frequency electromagnetic field during waking affects human sleep EEG

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Neurosci Lett. 2007 Jun 21; 421(1):82-6

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BMC Genomics. 2008 Feb 11; 9:77

55 Jun-00 Koivisto M The effects of electromagnetic field emitted by GSM phones on working memory
Neuroreport. 2000 Jun 5; 11(8):1641-3

56 Jul-03 Kramarenko A Effects of high-frequency electromagnetic fields on human EEG: a brain mapping study
Int J Neurosci. 2003 Jul; 113(7):1007-19

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58 Jun-06 Krause CM Mobile phone effects on children's event-related oscillatory EEG during an auditory memory task

59 Jun-94 Lai H Microwave irradiation affects radial-arm maze performance in the rat

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J Pineal Res. 2008 Apr; 44(3):267-72

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Differentiation. 2002 May; 70(2-3):120-9


64 Jun-09 Mailankot M Radio frequency electromagnetic radiation (RF-EMR) from GSM (0.9/1.8GHz) mobile phones induces oxidative stress and reduces sperm motility in rats Clinics (Sao Paulo). 2009; 64(6):561-5 http://www.ncbi.nlm.nih.gov/pubmed/19578660


66 Sep-05 Markova E Microwaves from GSM mobile telephones affect 53BP1 and gamma-H2AX foci in human lymphocytes from hypersensitive and healthy persons Environ Health Perspect. 2005 Sep; 113(9):1172-7 http://www.ncbi.nlm.nih.gov/pubmed/16140623


72 Sep-07 Meral I Effects of 900-MHz electromagnetic field emitted from cellular phone on brain oxidative stress and some vitamin levels of guinea pigs Brain Res. 2007 Sep 12;1169:120-4 http://www.ncbi.nlm.nih.gov/pubmed/17674954


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80 Jan-10 Otitololu AA Preliminary study on the induction of sperm head abnormalities in mice, Mus musculus, exposed to radiofrequency radiations from global system for mobile communication base stations Bull Environ Contam Toxicol. 2010 Jan; 84(1):51-4 http://www.ncbi.nlm.nih.gov/pubmed/19816647


91 Dec-04 REFLEX Consists of many peer-reviewed and published variety of non-thermal effects from cell-phone type RF exposure http://www.itis.ethz.ch/downloads/REFLEX_Final%20Report_171104.pdf Link is for a 11 MB download of the final report


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<td>Jan-10</td>
<td>Xu S</td>
<td>Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons</td>
<td>Brain Res. 2010 Jan 22;1311:189-96</td>
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