Electro-Magnetic Fields & Health
Over 900 Published Independent Scientific Studies

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March 2006

Overveview

926 studies		N	Y	NA
EPIDEMIOLOGY	106	24	72	10
IN VIVO	270	82	181	7
IN VITRO	223	83	136	4
IN UTERO	28	5	23	0
HUMAN	126	34	81	11
DOSIMETRY	58	10	4	44
MISCELLANEOUS	102	15	18	69
50-60 Hz	13	2	11	0
Totals	**926**	**255**	**526**	**145**
%	100%	28%	**57%**	16%

766 studies (applicable criteria)		N	Y	NA
EPIDEMIOLOGY	106	24	72	10
IN VIVO	270	82	181	7
IN VITRO	223	83	136	4
IN UTERO	28	5	23	0
HUMAN	126	34	81	11
50-60 Hz	13	2	11	0
Totals	**766**	**230**	**504**	**32**
%	100%	30%	**66%**	4%

N = no biological effect

Y= biological effect

NA = not applicable

EPIDEMIOLOGY (106)

[N] **All-cause mortality among Belgian military radar operators: a 40-year controlled longitudinal study.** VIEW
Degrave E, Autier P, Grivegnee AR, Zizi M.
Eur J Epidemiol. 20(8):677-681, 2005

[N] **Association Of Health Problems With 50 -Hz Magnetic Fields In Human Adults Living Near Power Transmission Lines** VIEW
Beale I, Pearce NE, Booth RJ, Heriot SA
Journal of the Australasian College of Nutritional & Environmental Mediciine, Vol. 20 No.2 August 2001 **NOTE: 50/60 Hz study**

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Auvinen A, Hietanen M, Luukkonen R, Koskela R-S
Epidemiology 13:356-359, 2002

[N] **Cellular Telephone Use and Risk of Acoustic Neuroma** VIEW
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Am J Epidemiol 159:277-283, 2004

[N] **Cellular telephone use and risk of intratemporal facial nerve tumor.** VIEW
Warren HG, Prevatt AA, Daly KA, Antonelli PJ
Laryngoscope 113(4):663-667, 2003

[N] **Cellular telephone use and time trends for brain, head and neck tumours.** VIEW
Cook A, Woodward A, Pearce N, Marshall C
NZ Med J. 116(1175):U457, 2003

[N] **Cellular Telephones and Cancer-a Nationwide Cohort Study in Denmark** VIEW
Johansen C, Boice JD, McLaughlin JK, Olsen JH,
J Natl Cancer Inst 93(3):203-207, 2001

[N] **Cellular telephones and risk for brain tumors: A population-based, incident case-control study** VIEW
Christensen, HC; Schüz, J; Kosteljanetz, M; Poulsen, HS; Boice, JD. Jr; McLaughlin, JK; Johansen, C.
Neurology 64: 1189-1195, 2005

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[N] **Congenital malformations and exposure to high-frequency electromagnetic radiation among Danish physiotherapists.** VIEW
Larsen AI,
Scand J Work Environ Health 17(5):318-323, 1991

[N] **Epidemiologic analysis of mortality among Motorola employees.** VIEW
Morgan RW, Kelsh MA, Zhao K,
Presented in Chicago Illinois in December 1993

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Guberan E, Campana A, Faval P, Guberan M, Sweetnam PM, Tuyn JW, Usel M,
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[N] **Gender-specific reproductive outcome and exposure to high-frequency electromagnetic radiation among physiotherapists.** VIEW
Larsen AI, Olsen J, Svane O,
Scand J Work Environ Health 17(5):324-329, 1991

[N] **Handheld cellular telephone use and risk of brain cancer** VIEW
Muscat JE, Malkin MG, Thompson S, Shore RE, Stellman SD, McRee D, Neugut AI, Wynder EL,
JAMA 284(23):3001-3007, 2000

[N] **Handheld cellular telephones and risk of acoustic neuroma.** VIEW
Muscat JE, Malkin MG, Shore RE,. Thompson S, Neugut AL, Stellman SD, Bruce J
Neurology 58:1304-1306, 2002

[N] **Hematologic changes in workers exposed to radio wave radiation** VIEW
Budinscak V, Goldoni J, Saric M,
Arh Hig Rada Toksikol 42(4):367-373, 1991

[N] **Long-term mobile phone use and brain tumor risk.** VIEW
Lonn S, Ahlbom A, Hall P, Feychting M
Am J Epidemiol. 161(6):526-535, 2005

[N] **Long-term sickness and mobile phone use** VIEW
Hallberg O, Johansson O.
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Johansen C, Boice JD Jr, McLaughlin JK, Christensen HC, Olsen JH
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Hardell L, Hallquist A, Hansson Mild K, Carlberg M, Gertzen H, Schildt EB, Dahlqvist A
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Morgan RW, Kelsh MA, Zhao K, Exuzides KA, Heringer S, Negrete W,
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Kahn AA, O'Brien DF, Kelly P, Phillips JP, Rawluk D, Bolger C, Pidgeon CN
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[N] **The effects of radiofrequency (< 30 MHz) radiation in humans** VIEW
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[NA] **Incidence trends of adult primary intracerebral tumors in four Nordic countries.** VIEW
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[NA] **Selection bias due to differential participation in a case-control study of mobile phone use and brain tumors.** VIEW
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Samkange-Zeeb F, Berg G, Blettner M.
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Epidemiology, October 2000, Volume 11, Number 6 2000 **NOTE: 50/60 Hz study**

[Y] **Adult and childhood leukemia near a high-power radio station in Rome, Italy** VIEW
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Goldoni J, Durek M, Koren Z,
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J Auton Nerv Syst 59(3):91-97, 1996

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Milham S, Ossiander EM
Medical Hypotheses, Harcourt Publishers Ltd, April 2001 **NOTE: 50/60 Hz study**

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IN VIVO (270)

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