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"Un bon croquis vaut
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Napoléon Bonaparte

Effets des Champs Electromagnétiques

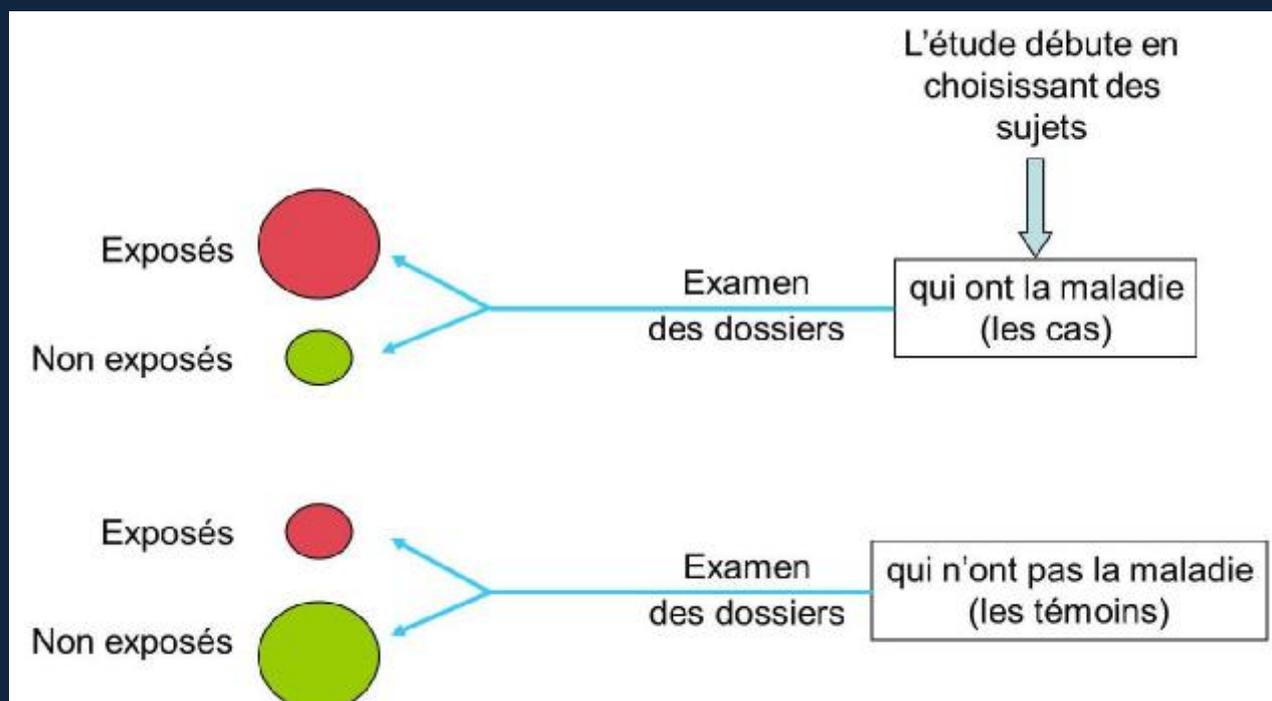
3 : Epidémiologie & Etudes



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Exemple de Plan d'Etude Epidémiologique





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Etude « Interphone » (O.M.S., 2010)

International Agency for Research on Cancer



IARC Report to the Union for International Cancer Control (UICC) on
the Interphone Study

Conclusions

Glioma and meningioma

Overall, no increase in risk of glioma or meningioma was observed with use of mobile phones. There were suggestions of an increased risk of glioma at the highest exposure levels, but biases and error prevent a causal interpretation. The possible effects of long-term heavy use of mobile phones require further investigation.

Acoustic neuroma

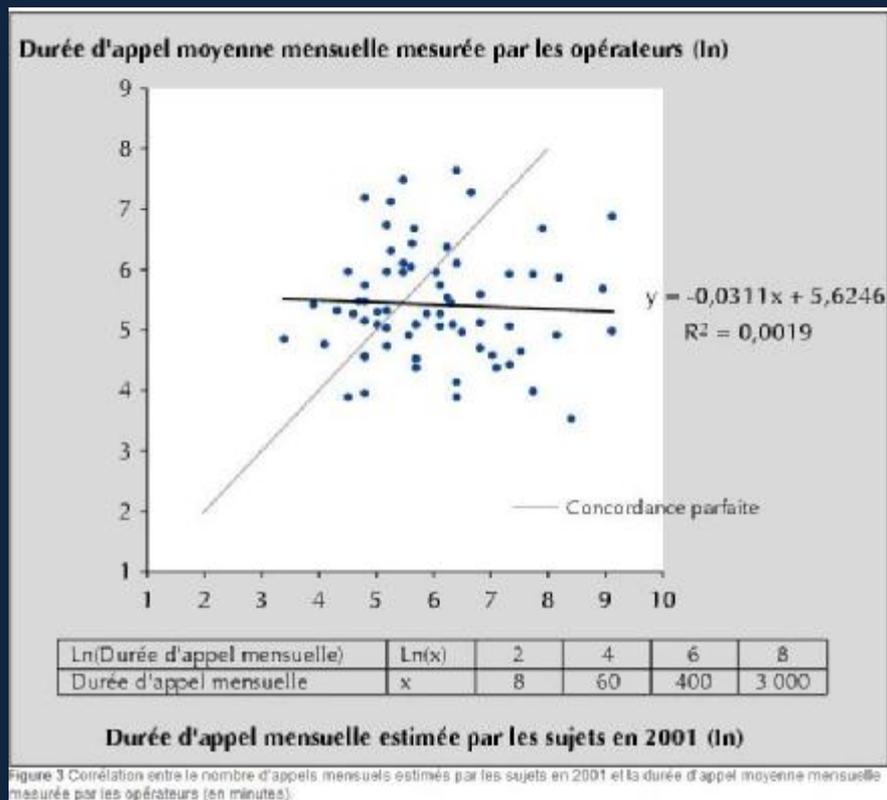
There was no increase in risk of acoustic neuroma with ever regular use of a mobile phone or for users who began regular use 10 years or more before the reference date. Elevated odds ratios observed at the highest level of cumulative call time could be due to chance, reporting bias or a causal effect. As acoustic neuroma is usually a slowly growing tumour, the interval between introduction of mobile phones and occurrence of the tumour might have been too short to observe an effect, if there is one.



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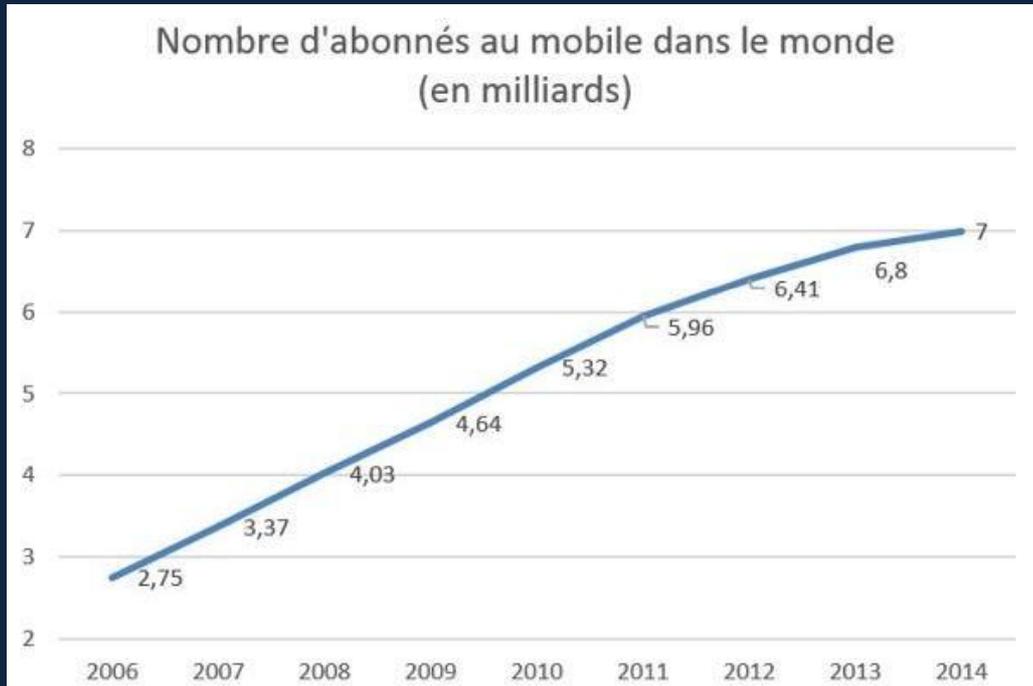
Estimation du temps de communication





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Rapport « Bioinitiative » (USA, 2012)

Radiation affects health: global report

PROOF The Bioinitiative 2012 report refutes claims by cellular phone operators that there is no conclusive evidence to prove correlation between radiation and health problems

towering trouble

by Anja Subramanian

HARM TO HEALTH

THE AIM OF THE REPORT: It studies and highlights the possible risks from wireless technologies and electromagnetic fields; around 1,800 global research papers written by scientists and health experts were studied before the 2012 report was released on Sunday.

WHAT THE REPORT SAYS

Continuous base station-level exposure can result in illness.

Prolonged exposure can interfere with the functioning of the body, prevent it from healing damaged DNA, can produce immune system imbalances, create metabolic disruptions and lower resilience to disease.

Headaches, difficulty in concentration and behavioural problems have been found in children and adolescents; and sleep disturbances, headaches and concentration issues in adults.

Exceeding global public safety limits don't seem to be sufficiently protective of public health, especially when it comes to that of the fetus, newborn and very young children.

Early childhood exposure may increase the risk of developing hyperactivity, learning disorders and behavioural problems.

WHO'S BEHIND THE REPORT?

The Bioinitiative 2012 report is published by 29 independent scientists and health experts from 10 countries, including India, Sweden, Italy, Greece, Canada, Austria, US and Russia. This is the second edition of the report; the first was published in 2007.

COMBAT RADIATION EFFECTS

Health agencies and regulatory agencies should go by recent studies and adopt new, biologically relevant safety limits and adhere to the least-protective benchmarks for harm. Special safety limits must be put in place for sensitive population, including fetuses, infants, children, elderly and those with pre-existing diseases.

Strong precautionary action and clear public health warnings needed immediately to prevent global epidemics of health problems.

Steps must be taken to lower rates of premature deaths.

Follow the scientific benchmark of 0.07 milliwatts/ square metre for 'lowest observed effect level'.

HT's coverage

HT has been consistently reporting on radiation from cellphone towers in the city.

Local's measure radiation in Delhi, to evaluate report

Nov 23, 2012

BMC to upload list of legal cellphone towers

Nov 22, 2012

Civic doctors to head study on radiation effects

Nov 22, 2012

INDIA'S RADIATION LIMIT IS 450 milliwatts/ sq m

The safe radiation limit as per the report is 6.5 milliwatts/ sq m

During our campaign, we also informed our readers how they could help identify illegal mobile towers in their neighbourhood

We have consistently reported on the harmful effects caused by radiation emitted by mobile towers

The report has been published over a period of five years. This is the second edition of the report, which was first published in 2007. The report has studied the effects of exposure to electromagnetic fields on neurology and behaviour, gene and protein expression, stress response, fertility and reproductive, and cancer among other things. "Some part of the population, such as children, pregnant women, hypersensitive persons, could be especially sensitive," the reports states. Skimming the report here to a suggested global radiation emission levels, telecom expert Anaj Jain said: "Based on the findings, the government should formulate its own study on the correlation between health issues and radiation." The report indicates that India has set a high limit for radiation emission from mobile towers," said Professor Girish Kumar from IIT Bombay. "It is of utmost necessity to bring down the permissible limit to global safety standards." The 29-member panel of health experts and scientists included two Indian professors, Professor Jitendra Bhatnagar and Professor Dhanraj Rajaram from Jawahar Lal Nehru University, Delhi. The report studied the effects of radiation on fertility and reproduction.



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RAPPORT BIOINITIATIVE – 2007

Arguments pour des seuils de protection du public fondés sur les effets biologiques des rayonnements électromagnétiques (EBF et MO)

Comité d'organisation :

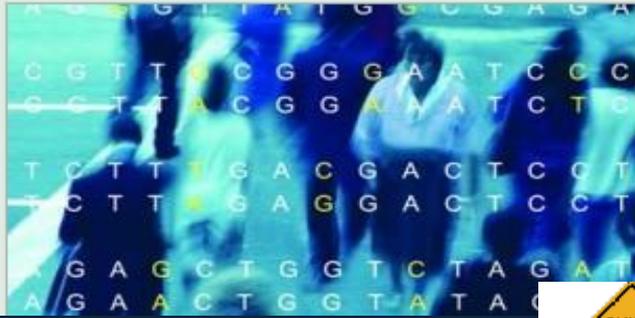
Carl Blackman, USA

Martin Blank, USA

Michael Kundi, Austria

Cindy Sage, USA

Chargé de recherche S. Amy Sage, USA



Rédacteurs [modifier | modifier le code]



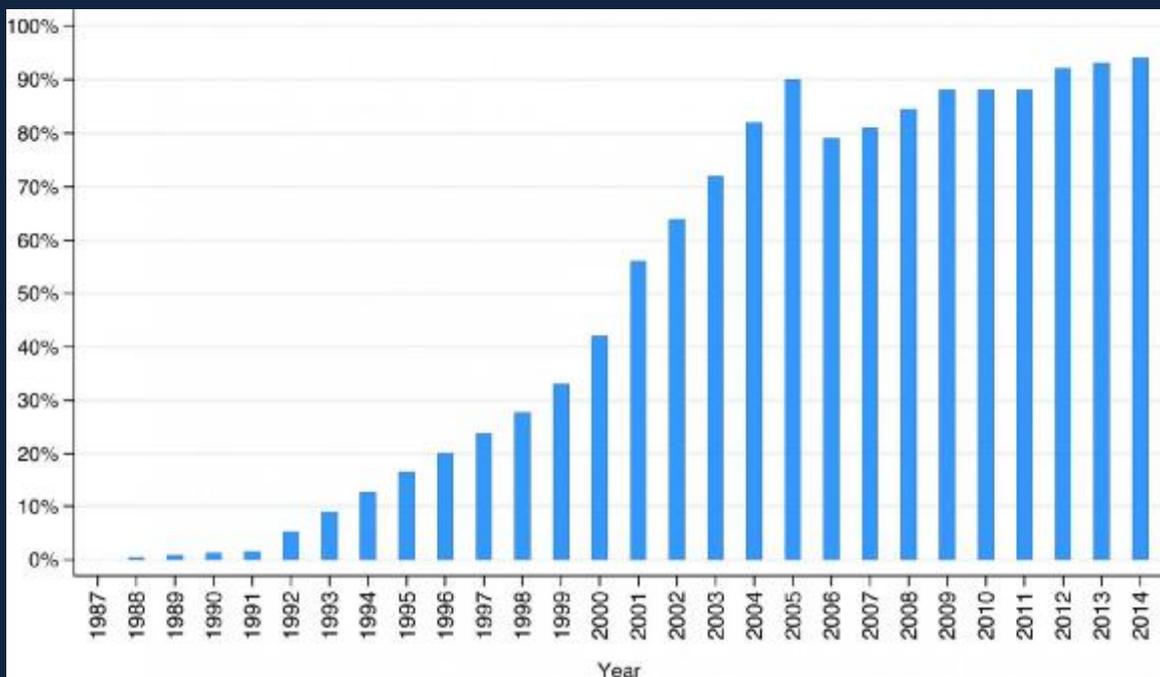
- Éditeur : David Carpenter, Directeur de l'Institute for Health and the Environment de l'Université d'Albany (New York)
- Coéditeur : Cindy Sage, propriétaire de Sage EMF Design, entreprise de conseil sur les champs électromagnétiques basée en Floride
- Contributeurs : 14 scientifiques américains, européens (Suede, Danemark, Grande-Bretagne) et chinois ont contribué en réalisant chacun un article du rapport.



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Utilisation Téléphone Portable Australie





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Etude INSERM ISPED 2013

13 MAI 2014 - 16H57 | PAR INSERM (SALLE DE PRESSE) | FRANCE



Mise au point autour de l'étude sur l'utilisation du téléphone portable et le développement de tumeurs cérébrales parue dans le journal *Occupational & Environmental Medicine*

« Nous montrons que l'utilisation massive du téléphone portable, supérieure ou égale à 896h d'appels dans une vie serait associée au développement de tumeurs cérébrales. Chez ces personnes, le risque d'avoir une association positive entre l'utilisation du téléphone et le développement de tumeurs cérébrales est augmentée pour celles qui téléphonent plus de 15h par mois. explique Isabelle Baldi, coauteur de ces travaux.

Cependant, il est important de souligner qu'il s'agit d'une association et non d'un lien de cause à effet. Cela ne signifie donc pas qu'une personne utilisant massivement son téléphone portable développera une tumeur au cerveau »



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Avis des Instances Nationales

- AFSSET 2009 : «... pas de preuve scientifique que l'usage du téléphone mobile constitue un risque pour la santé néanmoins le principe de précaution s'applique avec la mise en place de moyens destinés à diminuer le niveau moyen d'exposition du public ...»

ACADEMIE NATIONALE DE MEDECINE



EXPOSITION AUX ONDES ELECTROMAGNETIQUES

L'Académie nationale de médecine tient à rappeler que :

- aucun risque des radiofréquences n'est avéré en dessous des limites réglementaires et qu'il n'a pas été mis en évidence de mécanisme pouvant entraîner l'apparition d'une maladie : c'est la

Centre international de Recherche sur le Cancer



Lyon, France, 31 mai 2011 – Le Centre international de Recherche sur le Cancer (CIRC) de l'OMS a classé les champs électromagnétiques de radiofréquences comme peut-être cancérogènes pour l'homme (Groupe 2B), sur la base d'un risque accru de gliome, un type de cancer malin du cerveau¹, associé à l'utilisation du téléphone sans fil.



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Fig.1 Les investigateurs divisés

Position des chercheurs des pays participant à l'étude Interphone



CE SCHÉMA met en lumière les positions des chercheurs des pays investigateurs, laissant entendre que les effets observés sont, ou non, significatifs, ou bien qu'ils ne permettent pas de trancher. On remarque la division des équipes britanniques. © SOURCE : LA RECHERCHE

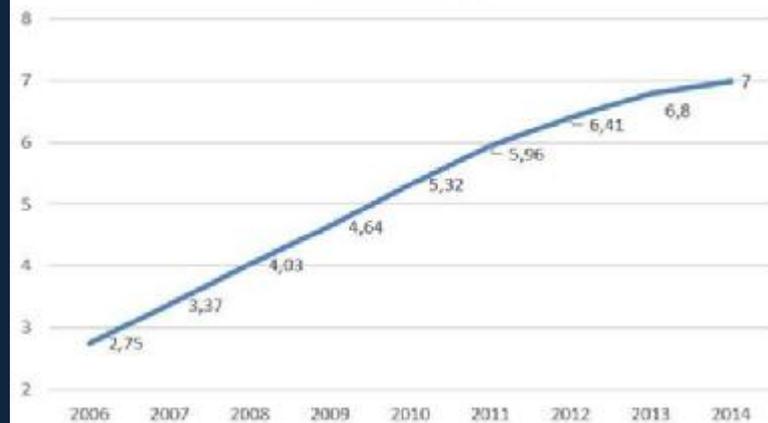


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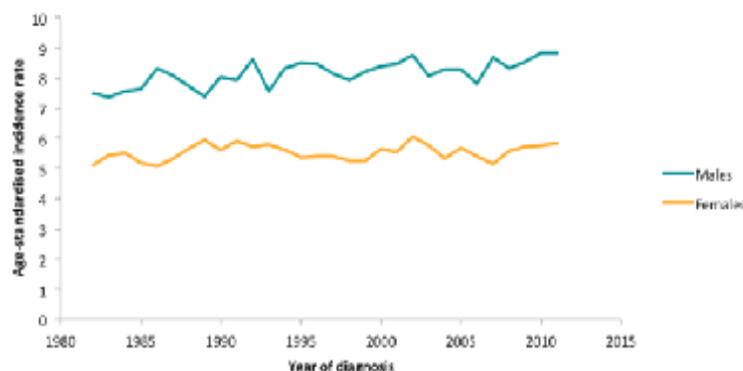
Utilisateurs
portables

Nombre d'abonnés au mobile dans le monde
(en milliards)



Incidences
cancers

Age-standardised incidence rate by year





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ENVIRONMENTAL
HEALTH
PERSPECTIVES

Mobile Phones, Brain Tumours and the
Interphone Study: Where Are We Now?

Anthony J. Swerdlow, Maria Feychting, Adele C Green,
Leeka Kheifets, David A Savitz

Conclusions

Although there remains some uncertainty, the trend in the accumulating evidence is increasingly against the hypothesis that mobile phone use can cause brain tumours in adults.



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De la relativité de l'épidémiologie ...
... vue par les media !

