



INTERNATIONAL POLICY BRIEFING
Radiofrequency Radiation and Public Health
Actions by Governments, Health Authorities and Schools Worldwide
Please go to source documents by clicking on the blue underlined hyperlink.

France

[National Legislation “Law on sobriety, transparency, information and consultation for exposure to electromagnetic waves” passed in 2015.](#)

- **WiFi Banned in Nursery Schools:** WIFI and Wireless devices will be banned in “the spaces dedicated to home, to rest and activities of children under 3 years”.
- **WiFi on “OFF” as Default to Minimize Exposures in Schools:** In elementary schools, WIFI routers should be turned off when not in use.
- **Schools Will be Informed:** The school board should be informed when new tech equipment is being installed.
- **Cell Tower Emission Compliance Will Be Verified:** A decree will define the limits of emission of equipments for electronic communications or transmission to which the public is exposed. These values can be verified by accredited organizations and results will be made accessible to the public through a National Radiofrequency Agency.
- **Citizens Will Have Access to Environmental/Cell Tower Radiation Measurements** Near homes: Every resident may get access to the results of measurements for their living space.
- **Cell Antennae Maps For the Country:** A description and map of the places with atypical (higher than the limits) places will be conducted at regular intervals with follow up of the actions being taken to limit the exposure. A map of all antennas will be produced for each town.
- **Continued Evaluation of Health Effects:** The National Radiofrequency Agency will be in charge of surveillance and vigilance, evaluating potential risks and setting up scientific research, including information on health effects.
- **SAR Radiation Labeling Mandated:** The SAR of cell phones must be clearly indicated on the package.
- **Information on Reducing Exposures Mandatory:** Information on ways to reduce exposure will be detailed in the contents of the cell phone package. .
- **WiFi Hotspots will be Labeled:** Places where WIFI is provided should be clearly marked with a pictogram.
- **Advertisements Must Recommend Devices That Reduce Radiation Exposure to the Brain:** Advertising for cell phones should clearly indicate the recommendation of hand free kits for protection of the head of the user and it will be included in the package. Advertising for cell phone not accompanied by such a kit is forbidden. Companies in violation will be fined 75,000 Euros.
- **Children Must Be Provided Protections:** At the request of the buyer, equipment reducing cell phone radiation exposures to the head for children less than 14 years should be provided.
- **The Public Will Be Informed:** Within a year, a policy of information on awareness and information on a responsible and reasonable use of cell phones and other apparatus emitting radiofrequencies will be set up.
- **Electrohyper-sensitivity Report To Be Submitted:** Within a year, a report on electrohyper sensitivity must be given to the Parliament.

[2011 French Cell Phone Statute:](#)

- Merchants must display SAR Radiation levels for different phone models, all phones must be sold with a headset, cell phone ads aimed at children younger than 14 are banned and phones made for children under 6 are banned.

[2013 French Agency for Food, Environmental and Occupational Health & Safety Report](#)

- Recommends hands free phones, SAR labeling, and “limiting the population's exposure to radiofrequencies... especially for children and intensive users, and controlling the overall exposure that results from relay antennas.”

- [The French National Library](#) along with other libraries in Paris, and a number of universities have removed all Wi-Fi networks.
- [Herouville-Saint-Clair](#) has removed all Wi-Fi equipment installed in municipalities.

Belgium

[Federal Public Health Regulations](#) passed on March 2013 due to Health Concerns for Children.

- **Phones designed for children under 7 years old are prohibited from sale.**
- **Total Advertising Ban on cell phones aimed at children younger than 14.**
- Mandatory Radiation SAR levels must be available for consumers at point of sale.
- Warning label on phones: **“Think about your health – use your mobile phone moderately, make your calls wearing an earpiece and choose a set with a lower SAR value.”**
- Recommendations include use of hands-free methods to keep the phone away from the body such as text messaging and not making calls when the signal is weak, such as in elevator/vehicle.
- See examples of the [posters](#) that shops must display.
- Read Belgium’s [frequently asked questions](#).
- You can download the [Royal Decree on the ban of mobile phones for children here](#).
- The Royal Decree which makes the mention of the SAR [value mandatory for mobile phone sales and which prohibits advertising for children can be downloaded here](#).

Belgium Government Recommendations to Reduce Exposure

- [Read Belgium's Statement on Wireless Networks](#): “to reduce your exposure” which includes specific tips for Wi-Fi installations and I quote, “ In order to limit the exposure, the following simple measures can be taken: Only switch on your wireless network connection when it is needed. This concerns the wifi adapter in your laptop in particular. Otherwise, your laptop tries to continually connect to the network, and that leads to unnecessary exposure and decreases the life expectancy of the batteries. Place the access point away from places where you spend lots of time.”
- Read Belgium’s [Tips for Reducing Cell Phone Exposure HERE](#).
- [Read Belgium’s statement on children and cell phones HERE](#): “The use of the mobile phone by children is a special point of attention. Children may be more sensitive to radio waves. Children absorb twice as much radiation in the brain than adults do, and 10 times more in the bone marrow of the skull. In addition, due to the popularity of the mobile phone, the cumulative exposure of the current generation of children will be much higher by the time they reach their adulthood than that of the current adults. Therefore, caution is called for.”
- The [Belgium Superior Health Council](#) “The concern is also that the cumulative exposure of the current generation of children and adolescents in their adult lives will be much higher than that of the current adults. The recent classification of mobile phone radiation as possibly carcinogenic is an additional reason to be cautious.”

Belgium [Ghent Municipality](#): Wireless internet is [banned from spaces that cater to children](#) between 0 and three: preschools and daycares to reduce exposure to microwave radiation. [Read news article about the ban here](#).

Spain

- [The Parliament of Navarra voted to urge removal of WIFI in schools](#) and to apply the precautionary principle in relation to exposure limits to electromagnetic fields whose boundaries have become "obsolete".
 - The Parliament voted to adopt a resolution which calls to implement the Parliamentary Assembly of the Council of Europe resolution 1815 of 2011, which recommends to "review the scientific basis for the standards of exposure to electromagnetic fields" and " set thresholds for levels of preventive long-term exposure in all indoor areas not exceeding 0.6 volts per meter ".
- [The Vitoria City Council unanimously approved](#) a precautionary approach with wireless: Citizens will be informed of the location of wireless transmitters are in civic centers and municipal buildings. It is recommended that children's spaces such as playgrounds and family libraries, will be free of WiFi or have decreased wifi and wifi free zones will be established in playgrounds and building entrances.

Canada

- [Canadian Parliament Standing Committee on Health of the House of Commons issued a report "Radio Frequency Electromagnetic Radiation and the Health of Canadians"](#) on June, 2015 after holding public hearings regarding Health Canada's Safety Code 6 recommended limits. They made 12 recommendations including an awareness campaign on reducing exposures, improved information collecting and policy measures regarding the marketing of radiation emitting devices to children under the age of 14, "in order to ensure they are aware of the health risks and how they can be avoided."
- **Health Canada offers "Practical Advice"** on reducing exposure to wireless radiation: 1. Limit the length of cell phone calls, 2. Replace cell phone calls with text, use "hands-free" devices and 3. Encourage children under the age of 18 to limit their cell phone usage. [Read it here.](#)
- **2015: National Bill C-648 Introduced into the House Of Commons**, "An Act Respecting the Prevention of Potential Health Risks From Radiofrequency Electromagnetic Radiation" would require manufacturers of all wireless devices to place specific health warning labels clearly on packaging, or face daily penalties /fines and/or imprisonment. Press Conference for [Bill C-648 Video.](#)

Australia

The Australian Radiation Protection and Nuclear Safety Agency has issued a [Fact Sheet](#) titled *How to Reduce exposure from mobile phones and other wireless devices.*

- Reduce the risk from WiFi devices by "keeping them at a distance, for example placing the wireless router away from where people spend time", and "reducing the amount of time you use them".
- ARPANSA recommends that parents encourage their children to limit their exposure stating that "It is recommended that, due to the lack of sufficient data relating to children and their long term use of mobile phones, parents encourage their children to limit their exposure by reducing call time, by making calls where reception is good, by using hands-free devices or speaker options, or by texting." [Read it HERE.](#)

Italy

- **On June 10, 2015, the State Parliament of South Tyrol** voted to [allow the application of the precautionary principle](#) mandating the state government to:
 - 1. To replace existing wireless networks whenever possible with networks that emit less radiation at schools, preschools, hospitals, nursing homes, and other public facilities.
 - 2. Establish a working group whose mandate it is to assess these new technologies and their exposure levels. With regard to wireless communication technologies, mobile Internet access, and public health, the working group shall clarify which technologies emit less radiation and provide sustainable technology options and
 - 3. To start an education and awareness campaign that informs about possible health risks, especially regarding the unborn, infants, children, and adolescents and that develops guidelines for a safer use of cell phones, smartphones, and Wi-Fi ... [Discussion at the Plenary Session, 10 June 2015 \(in German\)](#) /////////////// [Official Files, Resolutions](#) (in German) /////////////// [Previous Hearing at the Parliament of South Tyrol, 29 April 2015](#) (in German)
- The [Italian Supreme Court](#) ruled a man's brain tumor was caused by his cell phone use in 2012. The National Institute for Workmen's Compensation must compensate a worker with head tumor due to cell use. [Read news article with details here.](#)

Finland

- The Radiation and Nuclear Safety Authority (STUK) website states that, "The level of exposure to radiation from a mobile phone held next to user's ear can approach the exposure limits. *Never before have humans been exposed to equally strong sources of radiation in their living environments.* Identifying any health impacts is highly important because practically everybody uses a mobile phone today."

- “STUK recommends that unnecessary exposure to radiation from mobile phones be avoided. In particular, children’s unnecessary exposure should be avoided as their life-long exposure will be longer than that of those who begin using mobile phone as adults and as only scant research exists on health effects to children.”
- [Read STUK Recommendations to Reduce cell phone exposure HERE](#): Use a hands free device, don’t use phones reception is poor, the phone should be kept on a table or similar location instead of in the user’s pocket.
- [Read a news article from 2009](#) when STUK first recommended restricting the use of mobile phones by children.

Israel

- The Israeli Government created the public education webpage [National Information Ctr for Non-Ionizing Radiation The Israeli Ministry Of Education](#) has issued guidelines limiting WiFi and [cell phone](#) use in schools.
 - Preschool through 2nd grade have banned the use of wireless networks. In third and fourth grade class internet is restricted to 3 hours per week.
 - A hard wired direct cable connection is required if the teacher has a computer in the class.
 - Magnetic fields below 4 mG are being reduced in schools representing the government's position that international guidelines are NOT protective of children.
 - [The Israeli Supreme Court](#) ordered the Israeli government to reply on ceasing Wifi installations
 - In third and fourth grade class internet is restricted to 3 hours per week.
 - [The Education Ministry](#) has instructed all schools to perform radiation tests.
 - Israel's Minister of Health Rabi Litzman [stated](#) that he supports a ban on Wi-Fi in schools.
 - A hard wired direct cable connection is required if the teacher has a computer in the class.

Read the official [ISRAEL 2015 RF Safety Report](#) with actions being taken to reduce EMF.

The Ministry of Health published [Environmental Health in Israel 2014](#) which states that “Precautions should be strictly enforced with regard to children, who are more sensitive to developing cancer.” and that "wireless communication networks in schools be reduced." The Health Ministry recommends “sensible use of cellular and wireless technology, including: considering alternatives like landline telephones, use of a speaker while talking on a cellphone, and refraining from installing the base of wireless phones in a bedroom, work room, or children’s room.” The Report states that “Findings in Israel clearly indicated a link between cellphone use for more than 10 years and the development of tumors in the salivary glands, particularly among people who held the telephone on the same side where the tumor developed and individuals in the highest category of exposure (heavy use in rural areas).”

- Linda S. Birnbaum, Director, USA National Institute of Environmental Health Sciences and National Toxicology Program wrote in the Israeli Report final chapter that, “ If some of the studies turn out to be harbingers of things to come, we may have major health consequences from the nearly ubiquitous presence of wireless equipment.”

Switzerland

- **The Switzerland Federal Office for the Environment FOEN** has [a webpage on Wi-Fi](#) which states “caution should be exercised primarily when using devices held close to the body, such as laptops, PDAs and Internet telephones..” and gives recommendations on how to reduce exposure including turning the Wi-Fi off when not in use, installing the access point one metre away from places where you work, sit or rest for long periods of time and keeping laptops off laps.
- **The Switzerland Federal Office for the Environment FOEN** has [a webpage on Cell Phones](#) which details ways to reduce mobile phone radiation. FOEN also has additional EMF factsheets on various EMF sources including on [baby monitors](#) where they state that “it is **advisable to reduce the infant’s exposure to emissions as far as possible.**”
- **The 2015 Environmental Report Chapter 17 on Electrosmog** states “Effects can also be detected for weak radiation intensity. For example, weak high-frequency radiation can alter electric brain activity and influence brain metabolism and blood flow. Whether these effects have an impact on health is still unclear” and recommends the precautionary principle to reduce risk “Because major gaps still exist in our knowledge about

the health impacts of long-term exposure to weak non-ionising radiation, the adopted protective strategy should be pursued consistently.” [Read it here.](#)

- [Switzerland FOEN 2012 Radiation of radio transmitters and Health](#) “*In view of the fact that there are gaps in the available data, the absence of proof of health risks does not automatically also mean proof of their absence. From the scientific point of view, a cautious approach in dealing with non-ionising radiation is still called for. There remains a need for extensive research into the potential long-term effects*”
- [The Governing Council of Thurgau Canton](#) 2008 “The Governing Council recommends for schools to forgo the use of wireless networks when the structural makeup of a given school building allows for a wired network.” [Read a letter by the Council here.](#)

Germany

- The Federal Office for Radiation Protection (FORP) provides tips for reducing radiation exposure to smartphones, tablets and wireless devices stating, “*Since long term effects could not be sufficiently examined up to now the Federal Office for Radiation Protection (BfS) recommends to keep exposures to these fields as low as reasonably achievable.*” [Read the precautionary advice here.](#)
- The FORP recommends landline phone instead of mobile phone base stations and that schools should not connect wirelessly to the internet. [Read a 2015 statement here.](#)
- [The German Federal Ministry](#) for Radiation Protection stated in 2007, “supplementary precautionary measures such as wired cable alternatives are to be preferred to the WLAN system.” See original German Bundestag document [here](#), and an English translation [here](#).
- [Bavaria](#): The State Ministry of Education and Cultural Affairs: “For precautionary reasons the Federal Office for Radiation Protection recommends for schools that if a wireless network is used to place its components in suitable locations and to prefer the use of wired network solutions whenever possible.” In 2007 Parliament recommendation to all schools to *not* install wireless LAN networks.
- [Frankfurt](#): “In Frankfurt’s schools there will be no wireless networks in the short or mid term. The Local Education Authority did not wish to conduct a “large scale human experiment,” said Michael Damian, spokesperson of the Head of the School Department Jutta Ebeling.

Austria

No Wi-Fi in Salzburg Schools: “The official advice of the [Public Health Department of the Salzburg Region](#) is not to use WLAN and DECT in Schools or Kindergartens.” -Gerd Oberfeld, MD.

- The Austrian Medical Society has issued [cell phone safety guidelines](#) stating that cell phones should be used for as short of a time as possible and that children under 16 should not use cell phones at all. They also state that “wireless LAN leads to high microwave exposure”.

India

2012 The Ministry of Communications and Information Technology issued [new EMF guidelines](#) with new Exposure Limits *lowered to 1/10 of the ICNIRP level, and SAR* labeling on phones.

- [Official guidelines](#) *Precautionary Guidelines for mobile users*: 1. Keep distance – Hold the cell phone away from body to the extent possible. 2. Use a headset (wired or Bluetooth) to keep the handset away from your head. 3. Do not press the phone handset against your head. Radio Frequency (RF) energy is inversely proportional to the square of the distance from the source -- being very close increases energy absorption much more. 4. Limit the length of mobile calls. 5. Use text as compared to voice wherever possible. 6. Put the cell phone on speaker mode. 7. If the radio signal is weak, a mobile phone will increase its transmission power. Find a strong signal and avoid movement – Use your phone where reception is good. 8. Metal & water are good conductors of radio waves so avoid using a mobile phone while wearing metal-framed glasses or having wet hair. 9. Let the call connect before putting the handset on your ear or start speaking and listening – A mobile phone first makes the communication at higher power and then reduces power to an adequate level. More power is radiated during call connecting time. 10. If you have a choice, use a landline (wired) phone, not

a mobile phone. 11. When your phone is ON, don't carry it in chest/breast or pants pocket. When a mobile phone is ON, it automatically transmits at high power every one or two minutes to check (poll) the network. 12. Reduce mobile phone use by children as a younger person will likely have a longer lifetime exposure to radiation from cell phones. 13. People having active medical implants should preferably keep the cell phone at least 15 cm away from the implant.

- [The Parliamentary Standing Committee on Science & Technology, Environment & Forests](#) issued a report in the Rajya Sabha on July 23, 2015, recommending “indigenous methodology and techniques to check the alarming increase in radiation from radio-active signals, RF and Electro-magnetic Fields (EMFs).” The committee said “Indians were more prone to risk from radiations as compared to Europeans because of their low body mass index (BMI) and low fat content. Therefore, comprehensive scientific studies must be conducted to “conclusively establish the level of risks and adverse health effects of electromagnetic radiation (EMR) of cell towers”.
- 2013: [Supreme Court of India](#) upheld the High Court of the State of Rajasthan decision to remove all cell towers from the vicinity of schools, hospitals and playgrounds because of radiation “hazardous to life.” Two hundred and four mobile towers installed on the school premises of Rajasthan have been removed in compliance.
- The Ministry of Communications and Information Technology has developed an [EMF webpage](#).
- [Zilla Parishad orders removal of all cellphone towers](#) near schools citing exposure to “harmful radiation”.
- Read a [Document prepared by Dr. Sharma, Sr. Deputy Director of the Indian Council of Medical Research on Indian Research Studies](#).
- See the Colorful graphic created by the Government [Ensuring Safety from Radiations : Mobile Towers and Handsets](#)

Russia

- [The Russian National Committee on Non-Ionizing Radiation Protection](#) in *ELECTROMAGNETIC FIELDS FROM MOBILE PHONES: HEALTH EFFECT ON CHILDREN AND TEENAGERS* has repeatedly [warned](#) about electromagnetic radiation impacts on children and recommended WiFi not be used in schools.
- **Official Recommendations:** The Russian Federation specifically advises that those under the age of 18 should not use a mobile phone at all, recommends low- emission phones; and requires the following: on-device labelling notifying users that it is a source of RF-EMF, user guide information advising that “it is a source of harmful RF-EMF exposure” and the inclusion of courses in schools regarding mobile phones use and RF-EMF exposure issues. “Thus, for the first time in the human history, children using mobile telecommunications along with the adult population are included into the health risk group due to the RF EMF exposure.”
 - “In children, the amount of so-called stem cells is larger than in adults and the stem cells were shown to be the most sensitive to RF EMF exposure.”
 - “It is reasonable to set limits on mobile telecommunications use by children and adolescents, including ban on all types of advertisement of mobile telecommunications for children.”

[Decision of Russian National Committee on Non-Ionizing Radiation Protection](#) 2008, "Children and Mobile Phones: The Health of the Following Generations is in Danger"

European Environment Agency

- The EEA's issued 2013 *Late Lessons From Early Warnings: Chapter 12: Mobile phone use and brain tumour risk: early warnings, early actions?* which concludes that “Precautionary actions now to reduce head exposures, as pointed out by the EEA in 2007, and many others since, would limit the size and seriousness of any brain tumour risk that may exist. Reducing exposures may also help to reduce the other possible harms...”
[Read it here.](#)
- In 2007 Professor Jacqueline McGlade, the EEA's executive director issued a statement that "Recent research and reviews on the long-term effects of radiations from mobile telecommunications suggest that it would be prudent for health authorities to recommend actions to reduce exposures, especially to vulnerable groups, such as children." "[Read it here.](#)"
- In 2011 David Gee, EEA Senior Advisor on Science, Policy and Emerging Issues stated in a press release that “We recommend using the precautionary principle to guide policy decisions in cases like this. This means that

although our understanding is incomplete, this should not prevent policy makers from taking preventative action.” [Read it here.](#)

United Kingdom

The UK National Health Service offers specific [Recommendations](#) for to reduce cel phone radiation exposure to children as “children are thought to be at higher risk of health implications” and “Government advice is to be on the safe side and limit mobile phone use by children.” [Read it here.](#)

- “Children should only use mobile phones for essential purposes and keep all calls short. “
- For the public they have “recommendations to help lower any potential long-term risks” which include keeping calls short, keep phone away from the body on standby mode, only use it when the reception is strong and use a phone with an external antenna.
- [2002 The Stewart Report](#) commissioned by the UK Government found that exposure to RF radiation below guidelines has not been “proven” to cause adverse health effects but it is not possible to say “that exposure to RF radiation, even at levels below national guidelines, is totally without potential adverse health effects” as “there is some scientific evidence which suggests that there may be biological effects and gaps in knowledge justify a precautionary approach to the use of mobile phone technologies until much more detailed and scientifically robust information on any health effects becomes available.”

Cyprus

Officially recommends that for children at home and School “Be Precautionary reducing exposure to phones, Wi-Fi and other wireless devices.” states the [The Cyprus National Committee on Environment and Child Health after announcing](#) in October 2015 that it wants to err on the side of caution, warning the public that using mobile devices could be potentially harmful to children.

- Stella Michaelidou, President of the ECH, states that society should respond by taking precautions because “Documentation of other potential and more serious biological side effects are on the tip of an emerging iceberg.”
- This stance was documented [in a recent news article that quotes Michaelidou](#) stating that “multiple and frequent exposure to this kind of radiation, which falls below the acceptable levels of thermal effects, pose a health risk to a developing embryo.” and children who use their mobile phone more frequently face a higher risk at having a weaker memory, attention deficit disorder, and similar issues.
- Watch a video up on the The Cyprus National Committee on Environment and Child Health website about children and wireless radiation here <https://www.youtube.com/watch?v=996vzcCYCnE>
- See the 12/2015 Powerpoint Slide Presentation by the President of the Commission, Dr. Stella Kanna Michaelides on EMFs [by clicking here](#) and Dr Michalis Tornaritis on media use [by clicking here.](#)
- [See the Commissions brochure](#) on reducing the risks to children from exposure to the Non Ionizing Radiation (mobile phones, Wi-Fi, tablets, etc.).
- The The National Committee on Environment and Children's Health Website Information on EMFs can be accessed at <http://www.cyprus-child-environment.org/easyconsole.cfm/id/324>

Taiwan

In 2015 the government *Updated their* Protection of Children and Youths Welfare and Rights Act to ban cell phones for young children. [Read it here.](#)

- Complete ban on children under the age of two from using electronic devices such as iPads, televisions and smartphones.
- Parents can be fined NT\$50,000 (about \$1600 US Dollars)
- The new law also states that parents must ensure that under-18s only use electronic products for a 'reasonable' length of time.

European Parliament

Resolution 1815: In 2011 The Parliamentary Assembly of the Council of Europe issued *The Potential Dangers of Electromagnetic Fields and Their Effect on the Environment*.

A call to European governments to “take all reasonable measures” to reduce exposure to electromagnetic fields “particularly the exposure to children and young people who seem to be most at risk from head tumours.” The Resolution calls for member states to:

- Implement “information campaigns about the risk of biological effects on the environment and human health, especially targeting children and young people of reproductive age. “
- “Reconsider the scientific basis for the present standards on exposure to electromagnetic fields set by the International Commission on Non-Ionising Radiation Protection, which have serious limitations, and apply ALARA principles, covering both thermal effects and the athermic or biological effects of electromagnetic emissions or radiation.”

“For children in general, and particularly in schools and classrooms, give preference to wired Internet connections, and strictly regulate the use of mobile phones by schoolchildren on school premises.” [Read Resolution 1815](#)

[Read the 2009 Resolution: Health concerns associated with electromagnetic fields calling for a review of the issue.](#)

United States

Legislation has been introduced at the state and national level. Some Communities have issued proclamations, resolutions and started initiatives to inform the public of wireless health issues.

2014 California, Berkeley: [May 12, 2015 Berkeley Adopted the Cell Phone "Right to Know" Ordinance on a Unanimous Vote](#). Berkeley is the first city in the nation to require cell phone retailers to provide those who purchase a new phone an informational fact sheet which informs buyers to read the user manual to learn the cell phone’s minimum separation distance from the body. The text states:

"The City of Berkeley requires that you be provided the following notice:

To assure safety, the Federal Government requires that cell phones meet radio frequency (RF) exposure guidelines. If you carry or use your phone in a pants or shirt pocket or tucked into a bra when the phone is ON and connected to a wireless network, you may exceed the federal guidelines for exposure to RF radiation. Refer to the instructions in your phone or user manual for information about how to use your phone safely." [Full text here.](#)

2014 New York: [Wireless Router Labeling in all Suffolk Public buildings:](#) 12/2014 The Suffolk County Legislature passed legislation to require all county buildings to post notices that wireless routers are in use such as, "Notice: Wireless technology in use." The resolution, sponsored by Legis. William Spencer (a physician), warns that every wireless device emits radio frequency radiation or microwave radiation. It notes that studies "that have looked at the effects of low-level RFR radiation on human cells and DNA have been inconclusive." [Read Press Release.](#)

2015 NEW Massachusetts proposed MA [Senate Bill 1222](#): An Act creating a special commission to study the health impacts of electromagnetic fields and [Bill H2007](#): An Act relative to a special commission to study electric and magnetic fields. *Bills Still in Process as of August, 2015.* [Watch a view of the statehouse briefing on RF here.](#)

2015 Nassau County will have a proposed Wireless Router Labeling Act that would place visible warning signs in all county buildings and facilities where a wireless router is located.. [Please read recent coverage of the initiative here.](#)

2014 Maryland, Greenbelt: [The Greenbelt Maryland City Council voted unanimously on November 24, 2014](#) to do the following:

1. Alert citizens about the fine print warnings and possible health risks of cell phones and wireless devices By sharing the Environmental Health Trusts 10 Steps to Safe Tech and Doctors Advice on Cell Phones Brochure in City health fairs and city centers.
2. To send the FCC Chairman a letter urging the adoption of “radiation standards that will protect human

health and safety.”

3. To oppose cell towers on school grounds and write a letter to the local school board and County Executive.

2012 Wyoming: Jackson Hole issued a [Proclamation of Cell Phone Awareness](#) which cites concern over long term health effects as well as the increased risk that the radiation poses to children.

2012 Florida: Pembroke Pines, passed Resolution [3362](#) expressing the City's "Urgent Concerns" about Wireless Radiation and Health and which encourages citizens to read their manuals and presents information on how to reduce exposure by using a headset or speakerphone. Jimmy Gonzalez, an attorney who had developed brain cancer after heavy cell use, initially petitioned the Commission. [Watch the Video of his powerful testimony here.](#)

2010 California, San Francisco: [Cell Phone Radiation \(How to Reduce Exposures\)](#) Webpage launched. Answers on [how to reduce exposures](#) to cell phone radiation. The City developed a poster, factsheets and display stickers with public health information.

2010 California: Burlingame California City Council voted to include cell phone safety [guidelines](#) in their Healthy Living in Burlingame initiative (WHO classification and consumer precautions).

2010 Maine, Portland :Mayor Mavodenes, Jr. declared October “Cell Phone Awareness Month”

US Proposed Legislation

2012 National Law [The Cell Phone Right to Know Act H.R. 6358](#) was introduced receiving strong support from many organizations including the American Academy of Pediatrics. (AAP Letter [here.](#)) This legislation called for labels on mobile devices at point of sale, a comprehensive national research program to study whether exposure to wireless devices causes adverse biological effects directed by NIEHS and the EPA and exposure level regulation.

2014 [The Maine LD 1013 "The Wireless Information Act"](#) passed the State Senate and House but then failed to pass the second vote. The Bill requires manufacturer's information on radio-frequency exposure be visible on the outside of the cell phone's product packaging.

The [San Francisco Cell Phone Right to Know Ordinance](#) was signed in 2011 requiring cell phone retailers to distribute an educational sheet created by the San Francisco Department of Environment that explains radiofrequency emissions from cell phones and how consumers can minimize their exposure. The CTIA sued the city and settled with the City to block implementation of the Ordinance in exchange for a waiver of attorneys' fees. The City [Cell Phone Radiation Webpage](#) remains online.

2015 Oregon HB 3350: This proposed legislation directs the Department of Education to prepare statement that discloses potential health risks of wireless technology and requires public and private schools to distribute statement to employees and parents of students. It declares an emergency effective July 1, 2015. [Read the Bill here.](#)

2015 Oregon HB 3351: This proposed legislation states that cell phones must have a visible written label that advises consumers of possible risks and steps that consumers can take to reduce the risk of radio-frequency radiation exposure from cellular telephone use. [Read it here.](#)

2014 Hawaii Senate Bill SB 2571 was introduced calling for a warning label encouraging consumers to follow the enclosed product safety guidelines to reduce exposure to radiation that may be hazardous to their health.

[SB 932 California:](#) This 2011 legislation would have required retailers to include notices on product packaging that cell phones emit radio frequency (RF) energy. A second notice would be posted at the point of sale when purchasing online or in a physical store.

HM 32, New Mexico: This 2011 proposed law request the Department of Health and the Department of Environment to study and review all available literature and reports on the effects of cell phone radiation on human health.

HB 1408 Pennsylvania: This 2011 proposed law would require warning labels on cell phones “to inform all citizens about possible health dangers that have been linked to microwave radiation that is emitted by cellular telephones and the steps that can be taken to mitigate those dangers, especially as they relate to children and pregnant women.”

- Dr. Ronald B. Herberman, former director of the University of Pittsburgh Cancer Institute (UPCI) and the UPMC Cancer Center offered testimony at a PA House Democratic Policy Committee hearing. CBS Local coverage of hearing [HERE](#). Philadelphia Tribune News coverage [Here](#).

SB 679 Oregon: This 2011 proposed law would require warning labels for all new cell phones and cell phone packaging. [Watch a news video about the law here](#).

Schools Worldwide Removing the WiFi/Taking Action

2015: [Ashland Public Schools, Mass \(USA\)](#): "Best Practices" to turn the WiFi off when not in use, [Download Slides](#) [Video of parent who initiated this](#). [Video of school board member](#) discussing the process. [Read Magazine article on Ashland's Decision Here](#).

2015: St. Cajetan School, Belgium: Wired Internet installed and wireless removed.

2015: Washington Waldorf School, Maryland, USA: Removed Wi-Fi Routers from Buildings, Ethernet installed.

2014: Acorn Hill School, Maryland: Wi-Fi Networks removed.

2014: [DearCroft Montessori](#): Hardwired internet to younger grades, limited Wi-Fi Router exposure to older grades.

2014: [Portland Waldorf School](#), Portland Oregon, USA, WiFi removed.

2014: [Meeting House Montessori](#), Braintree Massachusetts, USA, WiFi replaced with ethernet.

2014: Ghent, Finland, [Wi-fi banned from pre-schools and day care](#).

2014: [UPPER Sturt Primary School](#), Australia “No WIFI” LOW EMF Policy.

2014: The [St. Augustine School](#) in Italy turned off Wifi and goes back to Wires.

2013 [Winlaw Elementary School](#), B.C. Canada turned off WiFi.

2013 [Te Horo Primary School](#) New Zealand Replaced WIFI with cable-based internet.

2013 [Kootenay Lakes District School Board BC](#) (One school without Wi-Fi)

2013 [Blaise-Cendrars High School](#), Switzerland. Teachers vote to remove WiFi.

2012 [Kivioja primary school](#) in Ylivieska Finland bans phones and minimizes Wireless.

2012: [Halton Waldorf](#), in Burlington Vermont: Remaining free of Wireless Radiation

2011 [City of Lakes Waldorf School](#), WiFi taken out. Minneapolis, Minnesota USA

2011 Aurora School in Ontario removed Wifi and replaced with hardwired.

2011 [North Cariboo Christian School](#) in Quesnel, B.C., removed Wi-fi .

2011 [Pretty River Academy](#) in Ontario no WiFi.

2011 Wayside Academy, Peterborough, Ontario no Wi Fi.

2010 Surrey, [BC Roots and Wings Montessori](#) removed Wi-Fi.

2010 Ontario St. Vincent Euphrasia elementary school: Parents voted to turn off Wi-Fi.

2009 HEROUVILLE-SAINT-CLAIR wi-fi networks removed.

Teacher Unions and Parent Teacher Organizations

2014 **United Federation of Teachers (teachers, nurses and professionals working in New York City).**

- [New Wireless Radiation Webpage states](#), “Wireless radiation is emitted by the myriad of wireless devices we encounter every day. It was once thought to be relatively harmless. However, we now know that wireless radiation can cause non-thermal biological effects as well, including damage to cells and DNA, even at low levels.

- Resources posted on their site include Dr. Moskowitz' [Reducing Your Exposure to Wireless Radiation](#) and the BabySafe Project brochure [What You Need to Know About Wireless Radiation and Your Baby](#). "Taking certain precautions around wireless radiation is appropriate for our most vulnerable populations, including pregnant women."

2014 New York State Teacher's Union NYSUT: A federation of more than 1,200 local unions.

- *"We have enough evidence to justify taking action and we are not willing to wait until our members, their children and the students suffer health consequences from not doing anything,"* -Paul Pecorale, Vice President of the New York State United Teachers Union.
- [Read the Press Release on Best Practices For Schools prepared for NYSUT](#)
- Download the [Guidelines for Safer Use of Wireless Technology in Classrooms](#) Published for NYSUT
- NYSUT hosted a [Webinar: Risks of wireless technologies and protecting children and staff in schools](#).

2014 National Education Association

"The National Education Association believes that all educational facilities must have healthy indoor air quality, be smoke-free, be safe from environmental and chemical hazards, *and be safe from hazardous electromagnetic fields.*"

"Students and/or their parents/guardians, education employees, and the public should be notified of actual *and potential hazards.*"

"School districts should conduct periodic testing for harmful water *and airborne particles/agents* that are detrimental to the health of students and education employees and shall report the results publicly."

"The Association also believes in the development and enforcement of health and safety standards specifically for children." **Read Section C-19 of the NEA [2013-2014 Resolutions](#)**

2013 [Canadian Teacher Federation's Brief \(200,000 elementary and secondary school teachers\)](#)

- "CTF is concerned about the lack of definitive research regarding the adverse health effects of Wi-Fi.
- "We propose a prudent approach to the use of Wi-Fi, especially where children are present."
- "We recommend an education program regarding the relative safety of Wi-Fi exposure and that appropriate resources be developed to educate the public regarding ways to avoid potential exposure risks of Wi-Fi access points and devices."
- "Pedagogical needs could be met in schools with an approach that limits exposure to Wi-Fi."
- Read the Briefing [The Use of Wi-Fi in Schools - Briefing Document](#)

2015: Canadian Teacher's Magazine published [CTF Sounds the Alarm on Wi-Fi](#)

2013 [United Teachers of Los Angeles, representing 40,000 teachers and staff](#)

- Resolution passed: "I move that UTLA will abide by current National NEA Policy for Environmentally Safe Schools which states that all employees and stakeholders should be informed when there are changes in their exposure to environmental hazards including electromagnetic radiation and that all stakeholders and the public should be notified of any actual and potential hazards."
- See UTLA Newsletter editorial by social worker Kevin Mottus.

2013 [Elementary Teacher's Federation of Ontario](#) - over 76,000 teachers

"There is cause for concern for members' health and safety, especially women," said Sandra Wash, a teacher representing the Peel district when the Federation issued a [2014 position statement](#) supporting an Expert Panel recommendation that Health Canada provide the public with more information about radiofrequency energy, and the safe use of wireless technology. [ETFO voted](#) to:

- Turn cell phones off in classrooms
- Label the location Of Wi-Fi access points.
- Research Radio Frequency radiation.
- Develop a hazard control program related to wireless microwave radiation through JHSC.

2012 [The Ontario English Catholic Teachers Association \(45,000 Ontario teachers\)](#)

- Recommends a wired infrastructure as WIFI “may present a potential Health and Safety risk or hazard in the workplace...The safety of this technology has not thoroughly been researched and therefore the precautionary principle and prudent avoidance of exposure should be practiced.”

2013 [BC Teachers Federation](#) adopted **Wireless Resolutions and Proposed Resolutions**

- “The BCTF supports members who are suffering from Electromagnetic Hypersensitivity by ensuring their medical needs are accommodated in the workplace.”
- Proposed Resolutions “the World Health Organization's classification of radiofrequency/electromagnetic fields emitted by wireless devices as a 2B possible cancer risk to humans; that the BCTF ensures all teachers have the right to work in a safe environment, including the right to work in a Wi-Fi/ wireless-free environment.”
- Recommendation to the Ministry of Education that school boards “begin immediate installation of on/off switches for Wi-Fi routers in schools, thereby reducing microwave radiation exposure and reducing health risks to members, and/or provide safer Ethernet cables or fibre optics”. Read the [Wireless Resolutions and Proposed Resolutions](#)
- Read Daily News Coverage:[Merritt teachers demand protection from wi-fi radiation 'Evidence is piling up that wi-fi radiation may in fact be harmful'](#)
- Read the Vancouver Sun News [Report Here](#).

2013 [The BC Confederation of Parent Advisory Councils \(BCCPAC\) of 821 Advisory Councils representing over 500,000 parents in British Columbia](#) passed two resolutions.

- Resolution 17 "calls on each Board of Education to have one public school at each education level that is free of Wi-Fi, cordless phones and cell phones. This school will only be equipped with wired computers and wired telephones for personal, educational and administrative purposes."
- Resolution 18 calls on Boards of Education to "cease to install Wi-Fi and other wireless networks in schools where other networking technology is feasible." passed with a clear majority.
- Read Resolution [On/Off switches for WiFi Routers and Protocol for the Use of Wireless Devices](#)

2010 [UK VOICE ;The Union for Education Professionals-](#) 20,000 members

- "Voice has advocated that new Wi-Fi systems should not be installed in schools, that existing systems should be turned off when not required and that schools should consider whether they really need to use Wi-Fi, which was developed to facilitate Internet access on the move rather than to be used as a convenient alternative to cables in dedicated IT facilities.”
- Read their [Position Statement](#) read their [Blog post](#).

Los Angeles California Public Schools

- The LA School District Uses a RF-EMF Exposure Threshold 10,000 Less Than the FCC Limits: The OEHS supported a precautionary threshold level that is 10,000 times lower than the current Federal Communications Commission standard. Read the RF Report the LA School District Used to recommend a cautionary exposure level. [RADIOFREQUENCY \(RF\) EVALUATION REPORT Use of Wireless Devices in Educational Settings](#)
- 2009 LA School Board Resolution Banning Cell Towers from schools and recommending against WiFi.
 - "The Board supports responsible deployment of fiberoptic broadband technology which is superior to wireless in speed, reliability, security, durability and protections it affords people and the environment from the potential hazards of exposure to radio frequency radiation."
 - Read the adopted resolution [HERE](#).
- 2009 December Resolution *Condemning Cell towers NEAR Schools* as was this T-Mobile Cell Tower across the street from an elementary school. [Read it here](#).
“As long as questions exist as to the adequacy of these federal regulations, local governments should have the ability to include consideration of health and environmental effects of these facilities.” (referring to cell towers) [Read the motion by Supervisors Zev Yaroslavsky and Michael Antonovich](#)

2000 LA School Board Resolution Opposing Cell Tower Placement on Schools and calling for precautions with wireless. 'Whereas, Recent studies suggest there is evidence that radio-frequency radiation may produce “health effects” at “very low field” intensities' [Read it here.](#)

2010 Greater Victoria Teachers' Association

"The GVTA recommends a precautionary approach to the School District with regard to provision of wireless internet in schools. The precautionary approach comes from the environmental movement and has been adopted as common practice in areas regarding potential environmental, ecological or biodiversity damage. It suggests that the lack of significant evidence is not enough of a reason to be unconcerned. The fact that many other countries have instituted regulations to protect children, seniors, pregnant women and other susceptible populations should be the guide for a District policy on WiFi installation and use in the worksites."

The [GVTA Wireless in Schools Webpage](#) states now that:

- Wi-Fi free zones should be available.
- On/Off routers recommended and record any adverse Wi-Fi health effects.
- Minimal or non-use within elementary schools.

2008 Lucerne Elementary Secondary Arrow Lakes District SD 10 New Denver BC, Canada Opts for “No WIFI

2001 California State PTA

- “RESOLVED, that the California PTA supports local municipal zoning setback rules of at 1000 feet or more from an operating wireless transmitter and a school or residential area; and be it further
- RESOLVED that the California PTA supports encouraging schools to use cable lines for all communications services on campus and to avoid the endorsement, purchase or use of wireless local area network systems on campus; and be it further
- RESOLVED that the California PTA recommend that teachers and students should limit use of cellular phones or other mobile devices on school property to emergencies and that cellular phones, pagers and other mobile phones be turned off and placed out of sight while the individual is on school property”
- Resolution on Wireless Equipment/Cellular Phones and Antennas [Read it here.](#)

DOCTORS AND SCIENTISTS APPEAL FOR STRICTER WIRELESS TECHNOLOGY REGULATION

[Vienna Resolution](#) 1998
[Salzburg Resolution](#) 2000
[Stewart Report, UK](#) 2000
[Declaration of Alcalá](#) 2002
[Catania Resolution](#) 2002
[Freiburger Appeal](#) 2002
[Bamberger Appeal](#) 2004
[Maintaler Appeal](#) 2004
[International Association of Fire Fighters Resolution on Cell Towers](#) 2004
[Coburger Appeal](#) 2005
[Oberammergauer Appeal](#) 2005
[Haibacher Appeal](#) 2005
[Pfarrkirchener Appeal](#) 2005
[Freienbacher Appeal](#) 2005
[Lichtenfelser Appeal](#) 2005
[Hofer Appeal](#) 2005

[Helsinki Appeal](#) 2005
[Parish Kirchner Appeal](#) 2005
[Saarlander Appeal](#) 2005
[Stockacher Appeal](#) 2005
[Vancouver School Resolution](#) 2005
[Benevento Resolution](#) 2006
[Allgäuer Appeal](#) 2006
[WiMax Appeal](#) 2006
[Schlächterner appeal](#)
[Brussels Appeal](#) 2007
[Venice Resolution](#) 2008
[Porto Alegre Resolution](#) 2009
[European Parliament EMF Resolution](#) 2009
[Dutch Appeal](#) 2009
[Int'l Appeal of Würzburg](#) 2010
[Copenhagen Resolution](#) 2010
[Seletun Consensus Statement](#) 2010
[Russian National Committee on](#)

[Potenza Picena Resolution](#) 2011
[World Health Organization](#) 2011
[Austrian Medical Association](#) 2012
[Resolution on Electromagnetic Health](#) 2012
[British Doctor Initiative](#) 2013
[BabySafe Project: Joint Statement on Pregnancy and Wireless Radiation](#) 2014
[Canadian Doctors Declaration to Health Canada](#) 2014
[Scientific Declaration to Health Canada \(International Doctors\)](#) 2014
[International Scientists Appeal to U.N. to Protect Humans and Wildlife from Electromagnetic Fields and Wireless Technology](#)

	<u>Non-Ionizing Radiation Protection</u> 2011	2015 <i>Over 200 Scientists</i>
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