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# **Asociación Médica de California (CMA).**



## **Reevaluación de las normas de seguridad pública de la comunicación inalámbrica.**

**Resolución aprobada en diciembre de 2014**

### **Resolución 1**

Que la AMC apoye los esfuerzos para reevaluar los niveles de exposición de seguridad a las microondas asociadas a los dispositivos de comunicación inalámbrica, incluida la consideración de los efectos biológicos y sanitarios no térmicos adversos de la radiación electromagnética no ionizante utilizada en las comunicaciones inalámbricas; y que además

### **Resolución 2**

Que la AMC apoye los esfuerzos para implementar nuevos límites de exposición de seguridad para los dispositivos inalámbricos a niveles que no causen daños humanos o medioambientales basados en la investigación científica.

**Vea a continuación la documentación presentada a la Asociación Médica de California que condujo a la aprobación de las resoluciones anteriores.**

### **PRESENTACIÓN A LA CÁMARA DE DELEGADOS DE LA ASOCIACIÓN MÉDICA DE CALIFORNIA 2014**

#### **Reevaluación de las normas de seguridad pública de las comunicaciones inalámbricas**

Considerando que hay más de 6 mil millones de teléfonos celulares activos en todo el mundo y que la dependencia de las redes de comunicación inalámbrica se está expandiendo rápidamente, incluyendo teléfonos celulares, torres de telefonía celular, enrutadores inalámbricos para uso doméstico, dispositivos médicos y medidores inteligentes de servicios públicos; y (1)

Considerando que los científicos están identificando cada vez más los CEM de los dispositivos inalámbricos como una nueva forma de contaminación ambiental, con un creciente cuerpo de evidencia científica revisada por pares que encuentra efectos adversos significativos para la salud y biológicos en los organismos vivos con la exposición a bajos niveles de microondas no ionizantes actualmente aprobadas y utilizadas en la comunicación inalámbrica, y

Considerando que la investigación revisada por pares ha demostrado efectos biológicos adversos de los CEM inalámbricos, incluyendo roturas de ADN de cadena simple y doble, creación de especies reactivas de oxígeno, disfunción inmunológica, efectos de procesamiento cognitivo, síntesis de proteínas de estrés en el cerebro, desarrollo cerebral alterado, trastornos del sueño y la memoria, TDAH, comportamiento anormal, disfunción del espermatozoides y tumores cerebrales; y (2-55)

Considerando que existe un largo período de latencia de años a décadas para estudiar e identificar los efectos adversos para la salud, como el cáncer cerebral, los daños neurodegenerativos y el autismo; y

Considerando que los cerebros de los niños son inmaduros desde el punto de vista del desarrollo hasta la adolescencia, sus cráneos son más delgados y el cerebro es considerablemente más vulnerable a la exposición a toxinas, y (23,24)

Considerando que la Organización Mundial de la Salud designó en 2011 las comunicaciones inalámbricas, incluidos los teléfonos móviles, como posibles cancerígenos, y (63)

Considerando que muchos científicos, investigadores, funcionarios y organismos de salud pública concluyen que las normas sobre frecuencias electromagnéticas (CEM) inalámbricas establecidas por la Comisión Federal de Comunicaciones son obsoletas, ya que se basan únicamente en los efectos térmicos que dañan el organismo y no en los efectos biológicos de la radiación de microondas CEM no ionizante, que están científicamente demostrados a niveles cientos de veces inferiores a los actuales límites de exposición de seguridad, por lo que las normas actuales son inadecuadas para proteger la salud pública; y (49-51)(57)

Considerando que la Academia Americana de Pediatría en 2013 ha solicitado una reevaluación de los límites de exposición a campos electromagnéticos de radiofrecuencia y políticas que protejan la salud y el bienestar de los niños a lo largo de su vida y reflejen los patrones de uso actuales (58)

SE RESUELVE que la CMA entiende que los límites de seguridad pública existentes para los dispositivos de microondas CEM son anticuados e inadecuados para proteger la salud pública, por lo que apoya los esfuerzos de la Comisión Federal de Comunicaciones para reevaluar sus normas de seguridad a fin de incluir la consideración de los efectos biológicos y sanitarios no térmicos adversos de la radiación electromagnética no ionizante utilizada en las comunicaciones inalámbricas; y que además

SE RESUELVE: que la AMC apoye los esfuerzos para implementar límites de exposición de seguridad a las microondas a niveles que no causen daños humanos o medioambientales basados en la investigación científica, y que además

SE RESUELVE; que la AMC establezca un grupo de trabajo para determinar recomendaciones de precaución adecuadas para el uso de teléfonos celulares y dispositivos inalámbricos para escuelas y niños.



# The California Medical Association Wireless Resolution

California Medical Association  
House of Delegates Resolution Wireless Standards Reevaluation 2014

## **PASSED**

CMA 2014 HOD Resolutions Adopted  
Resolution 107- 14  
Date Adopted Dec 7, 2014

### **Resolved 1**

That CMA supports efforts to reevaluate microwave safety exposure levels associated with wireless communication devices, including consideration of adverse non-thermal biologic and health effects from non-ionizing electromagnetic radiation used in wireless communications; and be it further

### **Resolved 2**

That CMA support efforts to implement new safety exposure limits for wireless devices to levels that do not cause human or environmental harm based on scientific research.

**See below the documentation submitted to the California Medical Association that lead to the above resolutions passing.**

## **SUBMISSION TO THE CALIFORNIA MEDICAL ASSOCIATION HOUSE OF DELEGATES 2014**

Wireless Communications Public Safety Standards Reevaluation

Whereas there are over 6 billion active cell phones worldwide and dependence of wireless communication networks is rapidly expanding including cell phones, cell towers, wireless routers for home use, medical devices and utility smart meters; and (1)

Whereas scientists are increasingly identifying EMF from wireless devices as a new form of environmental pollution with a growing body of peer reviewed scientific evidence finding significant adverse health and biologic effects on living organisms with exposure

to low levels of non-ionizing microwaves currently approved and used in wireless communication, and

Whereas peer reviewed research has demonstrated adverse biological effects of wireless EMF including single and double stranded DNA breaks, creation of reactive oxygen species, immune dysfunction, cognitive processing effects, stress protein synthesis in the brain, altered brain development, sleep and memory disturbances, ADHD, abnormal behavior, sperm dysfunction, and brain tumors; and (2-55)

Whereas there is a long latency period of years to decades to study and identify adverse health effects such as brain cancer, neurodegenerative damage and autism; and

Whereas children's brains are developmentally immature until adolescence, their skulls are thinner and the brain is considerably more vulnerable to toxin exposure, and (23,24)

Whereas the World Health Organization in 2011 designated wireless communications including cell phones to be a possible carcinogenic, and (63)

Whereas many scientists, researchers, public health officials and agencies conclude that wireless electromagnetic frequency (EMF) standards established by the Federal Communications Commission are outdated as they are based only on heat effects which damage to the organism and not biological effects of non –ionizing EMF microwave radiation which are scientifically demonstrated at levels hundreds of times less than current safety exposure limits and thus current standards are inadequate to protect public health; and (49-51)(57)

Whereas the American Academy of Pediatrics in 2013 has asked for reassessment of exposure to radiofrequency electromagnetic fields limits and policies that protect children's health and well-being throughout their lifetimes and reflect current use patterns (58)

RESOLVED; that the CMA understands that existing public safety limits for microwave EMF devices are outdated and inadequate to protect public health thus endorses efforts of the Federal Communications Commission to reevaluate its safety standards to include consideration of adverse non thermal biologic and health effects from non ionizing electromagnetic radiation used in wireless communications; and be it further

RESOLVED; that the CMA supports efforts to implement microwave safety exposure limits to levels that do not cause human or environmental harm based on scientific research, and be it further

RESOLVED; that the CMA set up a task force to determine adequate precautionary recommendations for the use of cell phones and wireless devices for schools and children

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