Welcome to our Webinar:

Turning Down the Dial on Wireless Radiation in NC’s Schools

THE SCIENCE, SYMPTOMS, SOLUTIONS, AND THE LEGAL IMPERATIVE TO PROTECT OUR CHILDREN

SEPTEMBER 26, 2023  SPONSORED BY SafeTech NC
Sharing Why & How to Use Technology Safely
No Conflicts of Interests by our Faculty:

- **Kent Chamberlin, PhD**, Past Chair/Prof Emeritus of Dept of Electrical Engineering, Univ of NH, Vice-Chair: International Commission on Biological Effects of EMF’s, NH’s 5G study commission, associate editor IEEE.
- **Cindy Russell, MD**, breast surgeon, Executive Director of Physicians for Safe Technology, past President of CA’s Santa Clara Co. Medical Assoc.
- **Natalie Sadler, MD**, psychiatrist, Black Mountain, NC; expert at treating EMF-related mood symptoms, practicing for more than 35 years.
Our Faculty

- **Julian Gresser, JD**, public interest, international environmental lawyer, was twice Mitsubishi Visiting Prof. at Harvard Law School, Chairman of **Broad Band International Legal Action Network**

- **Doug Wood**: President/Director of [Americans for Responsible Technology](#) & [Tech Safe Schools](#), both projects of [Grassroots Environmental Education](#), an award-winning non-profit recognized by the EPA for excellence in children’s environmental health.

- **Mary Anne Tierney, RN, MPH**, Director, [Safe Tech NC](#), certified by the [Building Biology Institute](#) as an Electromagnetic Radiation Specialist; CEO of [Blue Ridge EMF Solutions](#); background as psychiatric nurse/public health program manager.
Special Acknowledgements

BroadBand International Legal Action Network

ENVIRONMENTAL HEALTH TRUST
1. ADDRESSING CURRENT FCC GUIDELINES & FINDINGS OF THE NH 5G COMMISSION
2. HEALTH EFFECTS: WHAT WE CAN PREVENT & TWO CASE STUDIES
3. LEGAL IMPLICATIONS: AVOIDING LITIGATION
4. SAFER TECH SOLUTIONS
5. SCHOOL-BASED POLICIES, INTERVENTIONS, RESOURCES FOR F/U
6. Q&A: NC RESIDENTS PRIORITIZED
Review: Internet works in 2 ways

Wi-Fi: Sprays Radiation

Ethernet: Carries RFR in cables
Wireless Devices All Emit Radiofrequency Radiation: Microwave Radiation

- Wireless Phones
- Laptops
- Computers
- Wi-Fi Router
- Access Points
- Smart Boards
- Smart Watches
- Security cameras
# INTERNATIONAL GUIDELINES ON NON-IONIZING RADIATION

based on European Academy of Environmental Medicine’s EMF Guidelines 2016

<table>
<thead>
<tr>
<th>Metric</th>
<th>Type of Reading</th>
<th>Daytime</th>
<th>Nighttime</th>
<th>Sensitives (children, fetus, EHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>µW/m²</td>
<td>Maximum</td>
<td>100</td>
<td>10</td>
<td>1</td>
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IGNIR – International Guidelines on Non-Ionising Radiation
GOVERNMENTS
THAT SAY
CHILDREN SHOULD REDUCE CELL PHONE RADIATION

ENGLAND
CYPRUS
SWITZERLAND
CANADA
REPUBLIC OF KOREA
AUSTRIA
BELGIUM
INDIA
FRENCH POLYNESIA
TURKEY
FINLAND
IRELAND
RUSSIA
ISRAEL
FRANCE
CROATIA
GERMANY
DENMARK

Database of Worldwide Policies on Cell Phones, Wireless and Health - Environmental Health Trust (ehtrust.org)
Schools and Homes as “Sensitive Areas”
No cell towers near schools, homes, kindergartens and/or more stringent exposure limits and/or extra oversight.

Chile - Greece - Israel - India

Switzerland - Turkey - Belgium
SCHOOLS REMOVE WI-FI TO PROTECT CHILDREN FROM WI-FI RADIATION

Parents gather in celebration as Wi-Fi router removed - St. Agostino School, Italy

Wi-Fi Banned in Kindergarens and/or Restricted in Classrooms For Young Children

[Flags of France, Cyprus, French Polynesia, Israel, Hospitalet, Spain, Ghent, Belgium]
FCC found guilty by DC Court of Appeals
Environmental Health Trust vs FCC    Aug 2021

FCC must show it reviewed:
- Impacts on children
- Health implications of long-term exposure
- Ubiquity of wireless devices, since guidelines last updates
- Impacts to the environment.

No response from the FCC after two years.

FCC ordered to “provide a reasoned explanation why it ignored evidence of serious harm.”
“We’re really in the middle of a paradigm shift. It’s no longer right to assume cellphones are safe. Protective policy is needed today. **We really don’t need more science to know that we should be reducing exposures.**”

She added that the NTP results should have triggered a consumer advisory akin to “**the black-box warning on a drug, to say this has been linked to possibly cause cancer.**”

- to Propublica 11/10/22
Using Tech with the Precautionary Principle

When there is significant evidence of harm, yet not scientific consensus, then the product or behavior should be assumed to be harmful.

*It is better to be safe than sorry.*

*(European Parliament, 2015)*
USA Policies To Reduce Exposures

Municipal Proclamations/Advice
Berkeley Cell Phone Ordinance, San Francisco, Burlingame California; Jackson Wyoming; Pembroke Pines Florida; Greenbelt Maryland; Wi-Fi Labeling Law in Suffolk New York, Schools removing Wi-Fi

Maryland: State Children's Environmental Health Advisory Council (19 member pediatricians, toxicologists, Dept of Education, and state legislators) *The Department of Education* should use wired devices in classrooms to reduce radiofrequency in classrooms.

Massachusetts: 2019: 19 Bills on EMF (Cell Phones, Schools, Smartmeters), 2015: Ashland Public Schools Policy that Wi-Fi Devices be on table— not lap and Wi-Fi turned off when not in use.

California Department of Health Cell Phone Guidance in 2017; The Connecticut Department of Health “It is wise to reduce exposure” recommends reducing cell phone exposure for all -especially for children.

Teachers’ Unions: 2018 United Educators of San Francisco Resolution to share CDPH cell phone guidance, New Jersey Educational Association Recommendations. United Federation of Teachers New York
For your protection: Take care of yourself

- Distance from your device reduces radiation
- Camera off: Saves energy
- Cup of comfort or your meal
- Blue Blockers
- Know that recording, slides will be available, so enjoy our teachings!
Dr Chamberlin will begin our lectures