We recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry...RF-EMF has been proven to be harmful for humans and the environment.”

— 2017 5G Scientific Appeal (signed by more than 180 scientists and doctors from 35 countries)

Nationwide, communities are being told by wireless companies that it is necessary to build “small cell” wireless facilities in neighborhoods on streetlight and utility poles in order to offer 5G, a new technology that will connect the Internet of Things (IoT). At the local, state, and federal level, new legislation and new zoning aim to streamline the installation of these 5G “small cell” antennas in public rights-of-way.

The radiation from small cells is not small: Wireless antennas emit microwaves — non-ionizing radiofrequency radiation — and essentially function as cell towers. Radiation emitted from small cells is expected to typically travel from 10 feet up to several hundred feet.

Millions of small cells to be built in front yards: The Federal Communications Commission estimates that millions of these wireless transmitters will be built in our rights-of-way, directly in front of our homes.

5G will add to — not replace — our current wireless technology: 5G will add in another layer of wireless radiation to our environment. 5G will not only utilize wireless frequencies already in use but also add in higher frequencies — submillimeter and millimeter waves — in order to transmit data at superfast speeds.

Community authority is overruled: Communities are being stripped of their right to make decisions about this new technology. “Streamlining” means almost automatic approval. Public notice and public hearings are being eliminated. Even if every homeowner on the block opposes the antennas on their street, the opposition will be disregarded.

Scientists worldwide are calling for a halt to the 5G Roll-out: In 2017, over 180 scientists and doctors issued a declaration calling for a moratorium on the increase of 5G cell antennas citing human health effects and impacts to wildlife.

Cumulative daily radiation exposure poses serious public health risks: Peer reviewed, published science indicates that exposures to wireless radiation can increase cancer risk and alter brain development and damage sperm. Most people are unaware that wireless technology was never tested for long-term safety, that children are more vulnerable and that the accumulated scientific evidence shows harm.

Decreased property values: Studies show property values drop up to 20% on homes near cell towers. Would you buy a home with a mini cell tower in the yard?

Microwave antennas in front yards present several worker and public safety issues: Unions have already filed comments that workers were injured, unaware they were working near transmitting antennas. How will HVAC workers, window washers, and tree cutters be protected? The heavy large equipment cabinets mounted on poles along our sidewalks also present new hazards. Cars run into utility poles, often, what then?

There is a safer alternative: Worldwide, many regions invest in safer and smarter fiber optic cabling all the way to each home, rather than antennas in front yards. Wired fiberoptic connections are safer, faster, more reliable, provide greater capacity, and are more cyber-secure.

5G, SMALL CELLS AND MICROCELLS FACTSHEETS
EHT’s factsheets on 5G are used nationally and internationally as an invaluable key resource in educating the public and policymakers on 5G.
PROTECT THE ONES YOU LOVE POSTCARDS
EHT’s safety postcards have been widely distributed at health festivals, educational presentations, and scientific conferences. EHT has developed colorful postcards: for parents about the American Academy of Pediatrics recommendations, for young adults who sleep with their phones, for men regarding phones in pockets and for women to make the bra a no-phone zone.

FACT SHEETS
We also have created Safe Tech Do’s and Don’ts, factsheets on 5G, cell phone radiation, wireless and “What Parents Need to Know About Safe Technology”.

RESOURCES IN SPANISH
“How to Reduce Cell Phone Radiation.” Hotbook Magazine from Mexico featured “How to Reduce Cell Phone Radiation Tips” after Dr. Davis and EHT provide resources to one of Mexico’s top Travel & lifestyle magazines.

EHT has translated several postcards into Spanish and is increasing our translated resources. See EHT’s webpage on Spanish information. After contact with an Italian organization that translated the Catalyst documentary, EHT developed a page on Italian resources as well. EHT plans to create pages in French, and Greek next year.

Do's and Don'ts for Safe Technology

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<thead>
<tr>
<th>Technology</th>
<th>Do's</th>
<th>Don'ts</th>
</tr>
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<tbody>
<tr>
<td>Cell Phones</td>
<td>Use a corded phone. Use a powered cradle. Do not use a phone at your head.</td>
<td>Use a powered cradle at your head. Use a phone with a powered cradle.</td>
</tr>
<tr>
<td>Home Phones</td>
<td>Use a landline phone. Use a non-WiFi printer. Use a cord to connect.</td>
<td>Use a WiFi printer. Use a cordless phone. Do not use a phone with a cord.</td>
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What Parents Need To Know About Safe Technology

What Does the Science Say about Wireless and Children?

- A 2011 Yale Medicine mice study found increased brain activity.
- Wireless radiation at very low levels has been shown to change brain activity.
- Wireless radiation during pregnancy has been linked to neurological and developmental abnormalities in offspring of animals.
- Research on cancer classification for the Research on Cancer considers wireless radio waves a Carcinogen.

Research shows that children’s brains, eyes and bone development are more sensitive than adults. Children avoid exposure to wireless radiation by stricter measures. All taken measures to reduce children’s exposure to wireless radiation by stricter exposure.

Canada and the European Union have initiated research on electromagnetic fields and developed safety standards to protect children. The government to review and tighten radiation standards for wireless devices in order to protect pregnant women and children’s health.

In 2012, the American Academy of Pediatrics (AAP) strongly recommended that children be taken measures to reduce their exposure to wireless radiation by stricter exposure.

The AAP submitted a letter to the US government to review the scientific research on biological effects of wireless radiation exposures. This legislation would have authorized the US government to tighten wireless exposure standards for children.

AAP Recommendations:

- Keep a safe distance from pregnant women.
- Keep safe distance from pregnant women's stomach or from lower stomach of teenagers.
- Do not carry devices in your pockets.
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