I am a Family Physician and I see patients every day with some variant of Microwave sickness—also known as microwave syndrome or electromagnetic hypersensitivity (EHS).
I see it all - patients with:
• Headaches, dizziness, and nausea
• Chronic fatigue and sleep disturbances / insomnia
• Cognitive difficulties, memory issues, or lack of concentration
• Heart palpitations or cardiovascular changes
• Skin sensations, prickling, or itching

My advice to you, (HHS), during this process of re-evaluating evidence for the impacts of RF radiation on children, the health implications of long-term exposure to RF radiation, the ubiquity of wireless devices, and other technological developments that have occurred since the Commission last updated its guidelines, is to error on the side of the precautionary principle! Stop ignoring the safety signals that are everywhere, found in at least 50% of the studies that the FCC throws out as insignificant, and fund the large, well-controlled, well-designed studies that your agency is complaining that it cannot find!

With 5G, and soon to be 6G, the FCC has allowed runaway RF exposure in every community, on every block, injecting RF, well past the FCC exposure guidelines, into every citizen, no matter the age, pre-existing medical conditions or developmental stage, even in utero.
The FCC has lost the plot! They throw up their hands and say that they cannot find the answers that we, the American people demand, while throwing out study after study as insufficient or poor quality. Then they have the gall to say to us that, "RF is safe" when we know damn well it is a lie! They are basically telling us to ignore the living evidence that RF is causing health effects directly within our own families and friends!

Get us out of this RF Hell that the FCC has created - fund the large scale studies that they say they are searching for yourself. Then try not to corrupt the results with back room deals, with the Industry, that the FCC supposedly regulates!

I am submitting these studies below completed since 2019 to your list for review:

International Studies and Publications About the Health Effects of RF (since 2019)
School-Environment RF Measurements (Örebro, Sweden, 2025):
Authors: Lennart Hardell and Mona Nilsson.
Focus: Measured outside RF radiation from 4G and 5G base stations near 10 schools in Sweden.
Findings: Peak measured levels ranged from 10,716 to 68,452 \(\mu\text{W/m}^2\), which the authors noted exceeded voluntary European building biology guidelines (EUROPAEM) for sensitive environments. The study did not track clinical health outcomes in the students, but raised precautionary concerns regarding dense 5G/4G deployment near schools.

Trend Analysis on Memory Problems and Cognitive Impairment (Sweden and Norway, 2025–2026):
Authors: Mona Nilsson and Lennart Hardell.
Focus: Analyzed national health and medical consultation records in Norway (children aged 5–19) and diagnostic registries in Sweden regarding memory disturbances and mild cognitive impairment (R41.8) from the 2000s through 2024.
Findings: Reported sharp increases in doctor visits for memory disorders in youth and mild cognitive impairment diagnoses over a two-decade span, correlating the timeline with the rollout of wireless/microwave devices. Mainstream epidemiologists characterize this as an ecological/temporal

correlation rather than proof of a direct biological mechanism or causal link from RF radiation.

Koppel T, Ahonen M, Carlberg M, Hedendahl L, Hardell L. Radiofrequency radiation from nearby mobile phone base stations - a case comparison of one low and one high exposure apartment. Oncol Lett 18 (2019): 5383-5391.

Miller AB, Sears ME, Morgan LL, Davis DL, Hardell L, et al. Risks to health and well-being from radio-frequency radiation emitted by cell phones and other wireless devices. Front Public Health 7 (2019): 223.

Carlberg M, Hedendahl L, Koppel T, Hardell L. High ambient radiofrequency radiation in Stockholm city, Sweden. Oncol Lett 17 (2019):1777-1783.

Hardell L. Nilsson M, Koppel T, Carlberg M. Aspects on the International Commission on Non-Ionizing Radiation Protection (ICNIRP) 2020 guidelines on radiofrequency radiation. J Cancer Sci Clin Ther 5 (2021): 250-283.

Koppel T, Ahonen M, Carlberg M, Hardell L. Very high radiofrequency radiation at Skeppsbron in Stockholm, Sweden from mobile phone base station antennas positioned close to pedestrians' heads. Environ Res 20 (2022): 112627.

Koppel T, Hardell L. Measurements of radiofrequency electromagnetic fields, including 5G, in the city of Columbia, SC, USA World Acad Sci J 4 (2022): 23.

International Commission on the Biological Effects of Electromagnetic Fields (ICBE-EMF): Scientific evidence invalidates health assumptions underlying the FCC and ICNIRP exposure limit determinations for radiofrequency radiation: Implications for 5G. Environ Health 21 (2022): 92.

Lai H, Levitt BB. The roles of intensity, exposure duration, and modulation on the biological effects of radiofrequency radiation and exposure guidelines. Electromagn Biol Med 41 (2022): 230-255.

Davis D, Birnbaum L, Ben-Ishai Taylor H, Sears M, Butler T, Scarato T. Wireless technologies, nonionizing electromagnetic fields and children: Identifying and reducing health risks. Curr Probl Pediatr Adolesc Health Care 53 (2023):101374.

Hardell L, Nilsson M. Case Report. The microwave syndrome after installation of 5G emphasizes the need for protection from radiofrequency radiation. Ann Case Report 8 (2023): 1112.

Nilsson M, Hardell L. Development of the microwave syndrome in two men shortly after installation of 5G on the roof above their office. Ann Clin Case Rep 8 (2023): 2023-2378.

Hardell L, Nilsson M. Case Report: A 52-year healthy woman developed severe microwave syndrome shortly after installation of a 5G base station close to her apartment. Ann Clin Med Case Rep 10 (2023):1-10.

Nilsson M, Hardell L. 5G Radiofrequency radiation caused the microwave syndrome in a family living close to the base stations. J Cancer Sci Clin Ther 7 (2023): 127- 134.

Nilsson M, Hardell L. Case Report: Both parents and their three children developed symptoms of the

microwave syndrome while on holiday near a 5G tower. Ann Clin Med Case Rep. V12(1) (2023): 1-7.

Nilsson M, Hardell L. A 49-year-old man developed severe microwave syndrome after activation of 5G base station 20 meters from his apartment. J Community Med Public Health 7 (2023): 382.

Hardell L, Nilsson M. An eight year old boy developed severe headache in a school close to a mast with 5G base stations. Ann Clin Case Stud 6 (2024): 1093.

Hardell L, Nilsson M. A woman aged 82 years with electromagnetic hypersensitivity since almost four decades developed the microwave syndrome after installation of 5G base stations in her living vicinity - ethical principles in medicine are violated. J Environ Science Public Health 8 (2024): 01-08.

Hardell L and Nilsson, M: Summary of seven Swedish case reports on the microwave syndrome associated with 5G radiofrequency radiation. Rev Environ Health 40 (2025): 147–157.

Belpomme D, Hardell L, Belyaev I, Burgio E, Carpenter DO. Thermal and non-thermal health effects of low intensity non-ionizing radiation: An international perspective. Environ Pollut. 242 (2018): 643-658. (I threw this one in for completeness sake, in case you missed it in your last review!)

Again, there are so many safety signals popping up everywhere you have to work hard not to see them, but the FCC is walking around with blinders on – PLEASE PAY ATTENTION – DO YOUR JOB - DO NOT FLICK THESE SAFETY SIGNALS AWAY!

We, the American people demand that the FCC error on the side of the precautionary principle! Fund the large scale studies that you say you are searching for, and try not to corrupt the results in back room deals for the benefit of the Industry that the FCC is supposedly regulate!