



Newsletter

CANCER CONSULTANTS OF AMERICA

BRIDGING THE GAP BETWEEN CANCER AND UNDERSTANDING®

Cancer Answers

Cell Phone Towers and Cancer



The World Health Organization has classified radiofrequency (RF) radiation as "possibly carcinogenic to humans". The term carcinogenic is used to describe something as having the potential to cause cancer. Cell phone towers emit RF radiation (energy) to connect with cell phones and other towers. Unlike X-ray radiation, which is considered ionizing radiation that damages DNA, RF radiation is a non-ionizing type of radiation and not believed to directly cause DNA damage. Surprisingly, in 2015 the European Commission Scientific Committee on Emerging and Newly Identified Health Risks reported that epidemiological studies identified an increased risk of pediatric leukemias following above average exposure to Extremely Low Frequency (ELF) radiation, which is a type of non-ionizing radiation. These findings are of interest because cancer was observed in children exposed to non-ionizing radiation. Despite this difference in energies between DNA damaging radiation and non-damaging radiation, scientific investigations have reported human illnesses in people with exposure to RF radiation. Recently, "Havana Syndrome" made the headlines after U.S. diplomats reported neurological symptoms such as headaches, difficulty with thinking, hearing, vision and sleep. Although the reports of these illnesses were believed to be linked to RF radiation exposure, an official explanation remains to be published. Taken together, the causality of RF radiation impacting human health remains mostly unchallenged and has been assigned a name, RF Sickness. At this time, the answer as to "how" RF Sickness develops due to RF radiation exposure has yet to be reported.

While experiencing the symptoms of RF Sickness is troubling, a more serious health concern is cancer development due to RF radiation exposure. This topic is incredibly polarizing and has been met with criticism among researchers arguing about methodologies and data interpretation. Another challenge concerning this topic is the amount of time that is needed for cancer to develop during RF radiation exposure. For these reasons alone, linking cancer development to RF radiation exposure is difficult to be universally accepted across the scientific community. Despite these challenges, this topic has been explored around the globe and reported in numerous peer-reviewed scientific journals. Interestingly, a significant portion of these reports come from sources outside of the U.S. such as Europe, Africa, and Asia. These scientific investigations examined the incidence of reported cancers among human populations living near cell phone towers. The quality of these various reports is diverse but there are investigations that exercised good scientific practices. This strengthens support for the findings illustrating evidence of cancer development among individuals living near cell phone towers. The reported evidence was collected through medical examinations and blood sample analysis of populations in areas before and after cell phone tower installations.

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After reviewing many reports, the correlation between cancer development and RF radiation exposure cannot be overlooked. Furthermore, the evidence presented by these numerous reports suggest three influencing factors: the amount of time for exposure to RF radiation, the living distance relative to the cell phone tower, and the intensity of energy emitted by the tower. It is worth noting, other reports suggest that no conclusions can be established when investigating this topic.

At the present time, the mechanisms for RF radiation and health problems remain unknown and more studies are needed to strengthen claims made by either side of the debate. Many creditable organizations acknowledge that a link exists between RF radiation and health problems. These organizations have established suggested limits to RF radiation exposure. Currently, the American Cancer Society (ACS) does not have an official position whether or not RF radiation from cell phone towers can be a source for cancer development. It is good practice to be aware of cell phone towers located in areas where large amounts of time are spent such as home, work, and recreation.

Follow the link for additional reading:

[Balmori, A. \(2022\). Evidence for Healthy Risk by RF on Humans Living Around Mobile Phone Base Stations: From Radiofrequency Sickness to Cancer. Environ. Res. 214\(Pt. 2\): 113851.](#)

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Services:

- Individual and Family Cancer Education
- Medical Appointment Liaison Services
- Information Seminars and Public Speaking Events

Fun Facts – April

Cancer Awareness Month:

- Testicular Cancer (Purple)
- Head & Neck Cancer (Burgundy & Ivory)
- Esophageal Cancer (Periwinkle)
- Minority Cancer (Lavender)



April 1 – National Fun Day 🎉

April 7 – World Health Day 🏥

April 11 – National Pet Day 🐾🐱🐶

April 14 – National Look Up at the Sky Day 🌌👁️

April 22 – Earth Day 🌍

April 30 – Stop Food Waste Day 🍕🍔🍌

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