



Cell Safety and 5G Technology

- EORN's cell gap project will deploy existing and well-established LTE/4G technology. It will help the region close gaps and lay a foundation for future innovations in wireless technology
- EORN will partner with private cell carriers to build the network.
- All Canadian cell carriers must build their mobile networks based on established industry standards and safety guidelines set out by Health Canada.
- Globally, 5G technology is still evolving and will not be available widely for two or three years, at least. The transition to 5G will take time, likely emerging first in denser urban areas.
- Cell phone towers are not a health risk according to either Health Canada or the World Health Organization:
 - Radiofrequency (RF) exposures from cell phone towers are typically well below Health Canada's exposure standards.¹
 - According to the World Health Organization, exposure to RF energy from cell phone towers is about one-fifth of exposure you get from FM radio and television stations, which have been around for decades. There have been no established public health issues.²

¹ <https://www.canada.ca/en/health-canada/services/consumer-radiation/safety-cell-phones-cell-phone-towers.html>

² <http://www.who.int/peh-emf/publications/facts/fs304/en/>