

# Terrestrial Radiation

TERRESTRIAL RADIATION exists everywhere on Earth. Scientists maintain that this radiation is a consequence of radioactive elements left over from the earth's formation. The decay of these elements produces gases. Radon, for example, leaks continuously from the ground and can be inhaled easily.

TERRESTRIAL RADIATION leads to GEOPATHIC STRESS ZONES.

Even after billions of years, radioactive elements formed in the earth's interior as our planet was born still emit radiation because of their extremely long half-lives. In addition to these gases, the earth also emits ALPHA and BETA radiation.

ALPHA RADIATION is considered to be quite "safe" because its particles don't usually penetrate deeper than the topmost layers of the skin. BETA RADIATION behaves in a similar fashion, although it can cause serious skin irradiations, burns, and cancer with longer exposure. Various types of cancer have been observed in cases where BETA RADIATION had penetrated the body.

Radiation intensity is measured in millisievert per year. In Germany, the average terrestrial radiation exposure is about 0.4 millisievert per year (mSv/a). According to a study by the WHO (World Health Organization), a radiation dose of 50 mSv/a is the highest permissible limit for people who work with radiation professionally. An average annual radiation exposure not exceeding 20 mSv is considered to be harmless to health. Well one has to be very suspicious about the generosity when it comes to give a tag to what is called "safe".

<http://www.world-nuclear.org/information-library/safety-and-security/radiation-and-health/nuclear-radiation-and-health-effects.aspx>

