The Problems - what they don’t tell you.

Biological Effects of Electromagnetic Radiation
Here are some of the biological changes caused by electromagnetic radiation, as observed and reported in various studies (most recent first):

**Protein Changes in Skin.** Ten women volunteered to participate in a study in which radiation (900mH) from GSM cell phones was applied to them for one hour to simulate a phone call. Scientists then screened their skin cells for any stress reactions. They looked at 580 different proteins and found two which were substantially affected. (One was increased by 89% and the other decreased by 32%). New Scientist February 23, 2008

**Sperm Abnormalities.** Researchers at the Cleveland Clinic studied the sperm quality of 361 men seen at their fertility clinic. On average, those who spent more hours talking on their cell phones had lower sperm counts and higher rates of abnormal sperm. (New Zealand Herald – Friday Feb 8, 2008)

**Excited Brain Cells.** Researchers from Fatebenefratelli Hospital in Isola Tiberina, found that the electromagnetic field emitted by cell phones can cause some cells in the brain's cortex (adjacent to the side of phone use) to become excited for about an hour, while others become inhibited. Health24 - June 27, 2006

**DNA Damage.** German research group Verum studied the effect of radiation on human and animal cells. After being exposed to cell phone frequencies the cells showed increased breaks in their DNA. These DNA breaks could not always be repaired by the cells. The damage would therefore be passed on to future cells which could predispose them to becoming cancerous. USA Today December 21, 2004

**Brain Cell Damage.** A study of the effects of cell phone frequencies (applied at non-thermal intensity) on rat brains showed damage to the neurons (brain cells) in various brain parts, including the cortex, hippocampus and basal ganglia. June 2003 issue of Environmental Health Perspectives

**Aggressive Growth in Leukemia Cells** Researchers at the National Research Council in Bologna, Italy found that Leukemia cells exposed to cell phone frequencies (900mH) for 48 hours replicated more aggressively. New Scientist October 24, 2002

**Increased Blood Pressure.** Researchers in Germany found that one-time use of a cell phone for 35 minutes could cause an increase in resting blood pressure of between 5 and 10mm Hg. Lancet June 20, 1998
Cell Phone Radiation
Electromagnetic Radiation & Health

YOU SHOULD KNOW - Approximately 20-80% of the cell phone radiation from your mobile device’s antenna penetrates up to 2 inches into the adult brain.

Penetration of radiation on brain of an adult, a 10 year old and a 5 year old

Cellphone Electromagnetic Radiation & Health Hazards

Anytime the power is turned on, cell phones emit electromagnetic radiation – even in stand-by mode and regardless if carried on belts, in pockets or purses, expose other areas of the body to harmful ELF radiation, as well.

Some of the potential side effects of exposure to electromagnetic radiation:

- Blurry Vision
- Headaches
- Nausea
- Fatigue
- Neck Pain
- Memory Loss
- Leukemia
- Rare Brain Cancers
- Enzyme Changes That Affect DNA
- Birth Defects
- Changes In Metabolism
- Increased Risk For Alzheimer’s Disease
- Increased Risk For Heart Conditions
- Neurological Hormone Changes Linked Impaired Brain Function

Additional studies have shown that people who sleep with a cellphone by the bed have poor REM sleep, leading to impaired learning and memory. This is related to melatonin production that is impaired by the ELF radiation emitting from your nearby cell phone or wireless device.
Electromagnetic Radiation and Health Issues

As confirmed medical studies show, that may be exactly what you’re doing with every use of your mobile phone, allowing the electromagnetic fields (ELF) it constantly produces to bombard your body and your brain.

Side effects from cell phone radiation ranging from occasional headaches and fatigue to enzyme changes that affect DNA and cell growth and can result in cancer.

But, that’s not all. Cellphones emit electromagnetic radiation from its antenna, as well as from the circuitry and battery – all of which can cause harmful biological effects.

Every cell phone model sold in the United States has a specific measurement of how much microwave energy from the phone can penetrate the brain.

Studies have shown that if the cellphone signal is held next to the brain there are changes in the brainwaves in 70% of people. This testing was done at a level of about 2 microwatts per sq. cm., which is only a fraction of the actual cell phone radiation exposure experienced from the typical mobile device.

Such ongoing studies have prompted the US Government to set “safe guidelines” for cellphone manufacturers to adhere to, but simply put, this just isn’t enough. And with your health at risk, can you really afford to ignore the mounting documented evidence – more than 2,000 research studies from around the world, all confirming that the cell phone radiation produced by your PDA could be to blame for:

Keep in mind such devastating health risks mount with every use of your iphone, blackberry, PDA, mobile phone or other mobile device, making the likelihood that you or someone you love will suffer needlessly simply far too great to ignore.

You may have recent read about electromagnetic radiation exclusion and insurance in the same sentence. Yes, it is true. Many insurance companies are now excluding health issues related to cell phone radiation exposure. This mean if you have a health issue related to wireless phone radiation exposure you may not be covered.