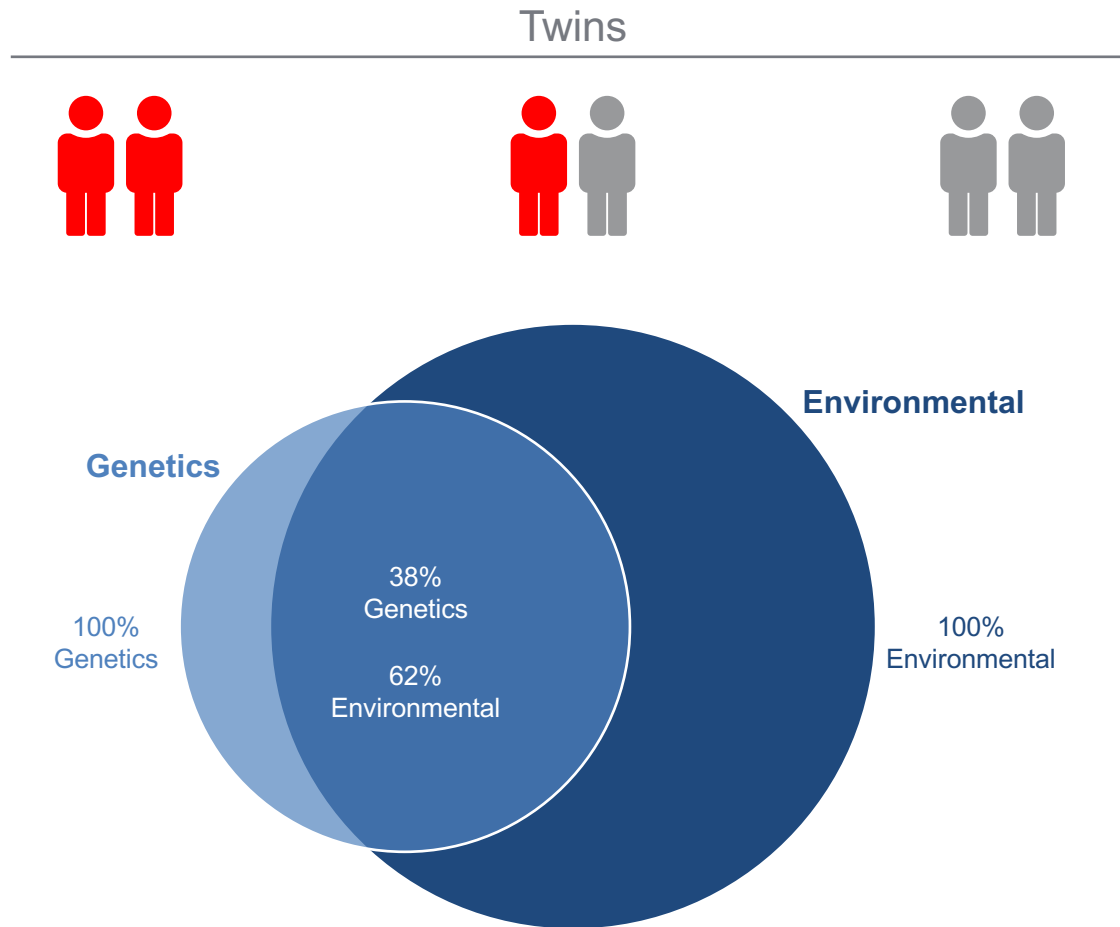


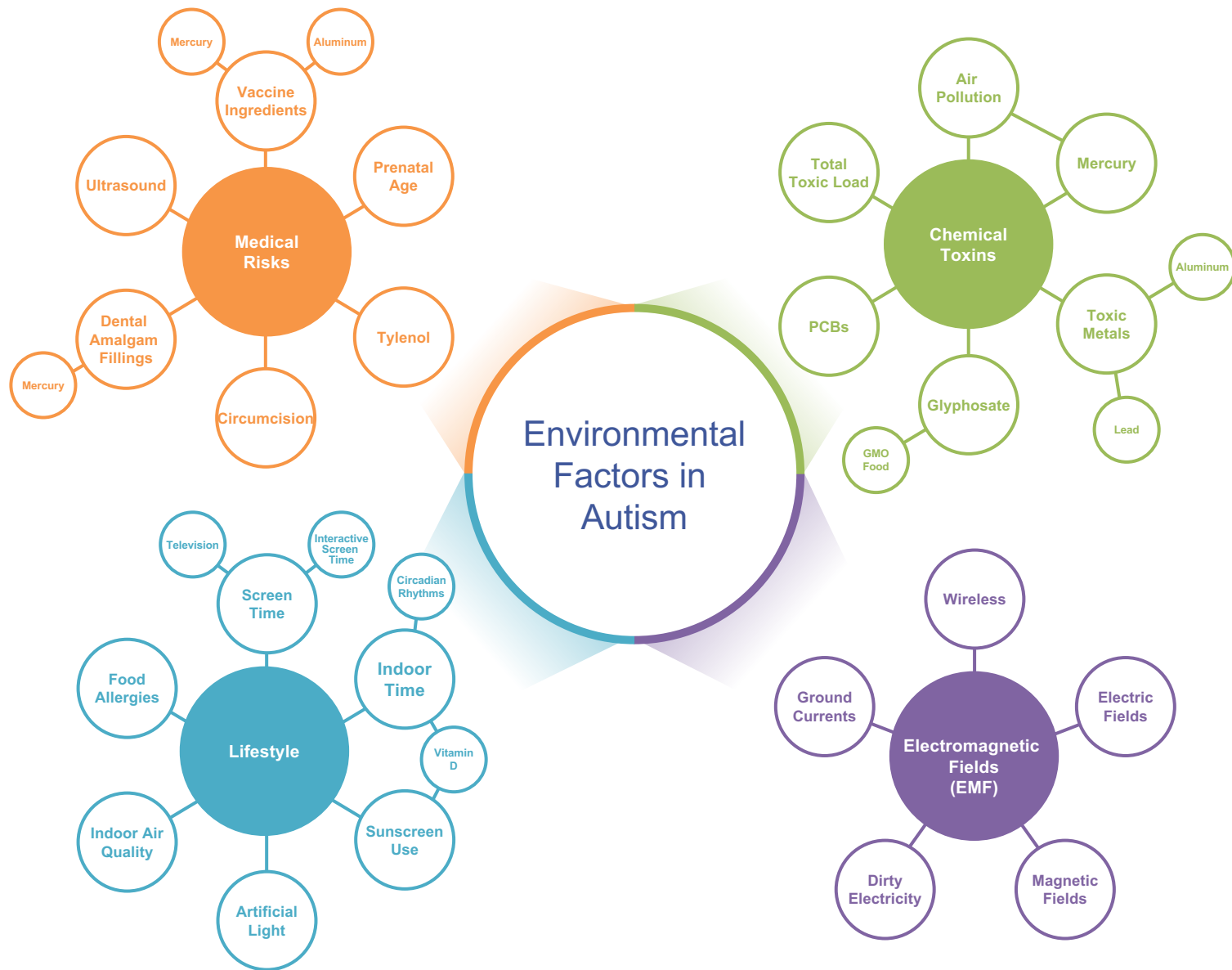


Wireless: A Key Piece of the Autism Puzzle

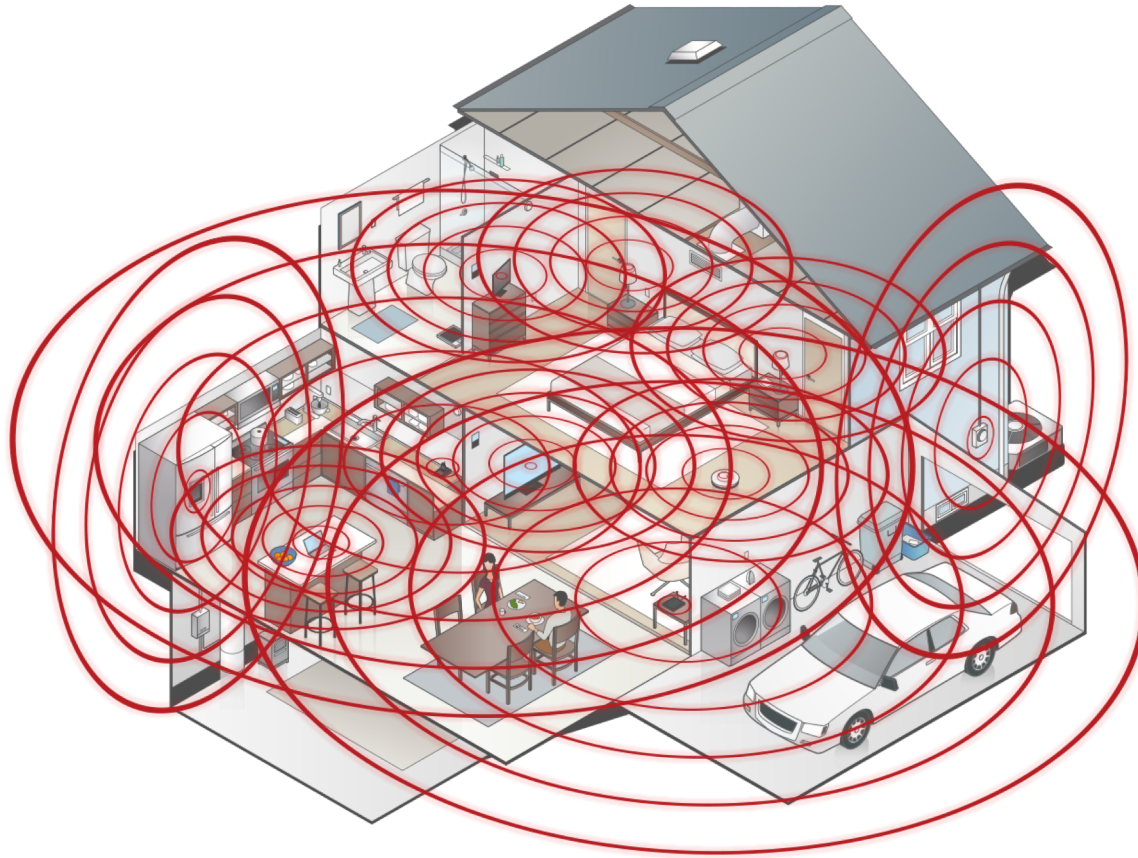
Peter Sullivan, MS

Autism: Genetics & Environment





We Live Inside Man-made Fields



Known Symptoms Match

AUTISM

- De novo mutations
- Inflammation
- Calcium
- Melatonin (light)
- Increased oxidation
- Decreased immune
- Increased seizures

EMF EXPOSURE

- Sperm damage
- Inflammation
- Calcium
- Melatonin (light)
- Increased oxidation
- Decreased immune
- Increased seizures

Herbert, Martha R., and Cindy Sage. "Autism and EMF? Plausibility of a pathophysiological link—Part I." *Pathophysiology* 20.3 (2013): 191-209.

Autism As a State of Overload

- As a “state” and not a lifetime trait
- Many factors – total load
- This is also like a balloon with more sandbags than lift
- Not just an impact from the past, but something happening now.

Total Load – Balloon Model

THRIVING

BODY

- Melatonin
- Glutathione
- Healthy gut
- Healthy mineral balance
- Strong immune system
- Balanced physiology



THRIVING

ENVIRONMENT

- Therapeutic activities
- Sunlight
- Time in nature
- Play
- Friends
- Love

- Inflammation
- Gut health
- Poor nutrition
- Low minerals
- Low melatonin
- Oxidation
- Disrupted circadian rhythms
- Poor sleep
- Toxin load
- Weak immune system
- Infections

Stuck In

- Fight
- Flight
- Freeze

SURVIVING

- Wireless
- Mercury
- Aluminum
- Glyphosate
- EMF
- Total toxins
- Antibiotics
- Depleted soil & food
- Tylenol
- Screen time
- Artificial light

Intracellular Calcium

Calcium Channel

- Voltage gated
- Genetics variations
- Tuned by metal ions (both good minerals and harmful toxins via MIDAS) and other factors

NMDA Receptor

- Glutamate
- Reward
- Addiction
- Over activated by chemical toxins

Normal – Very Low Calcium

- Calcium is an excite signal

Excess Calcium (Ca⁺²)

- False signaling (EMF)
- Free radical damage
- Inflammation
- Excitotoxicity

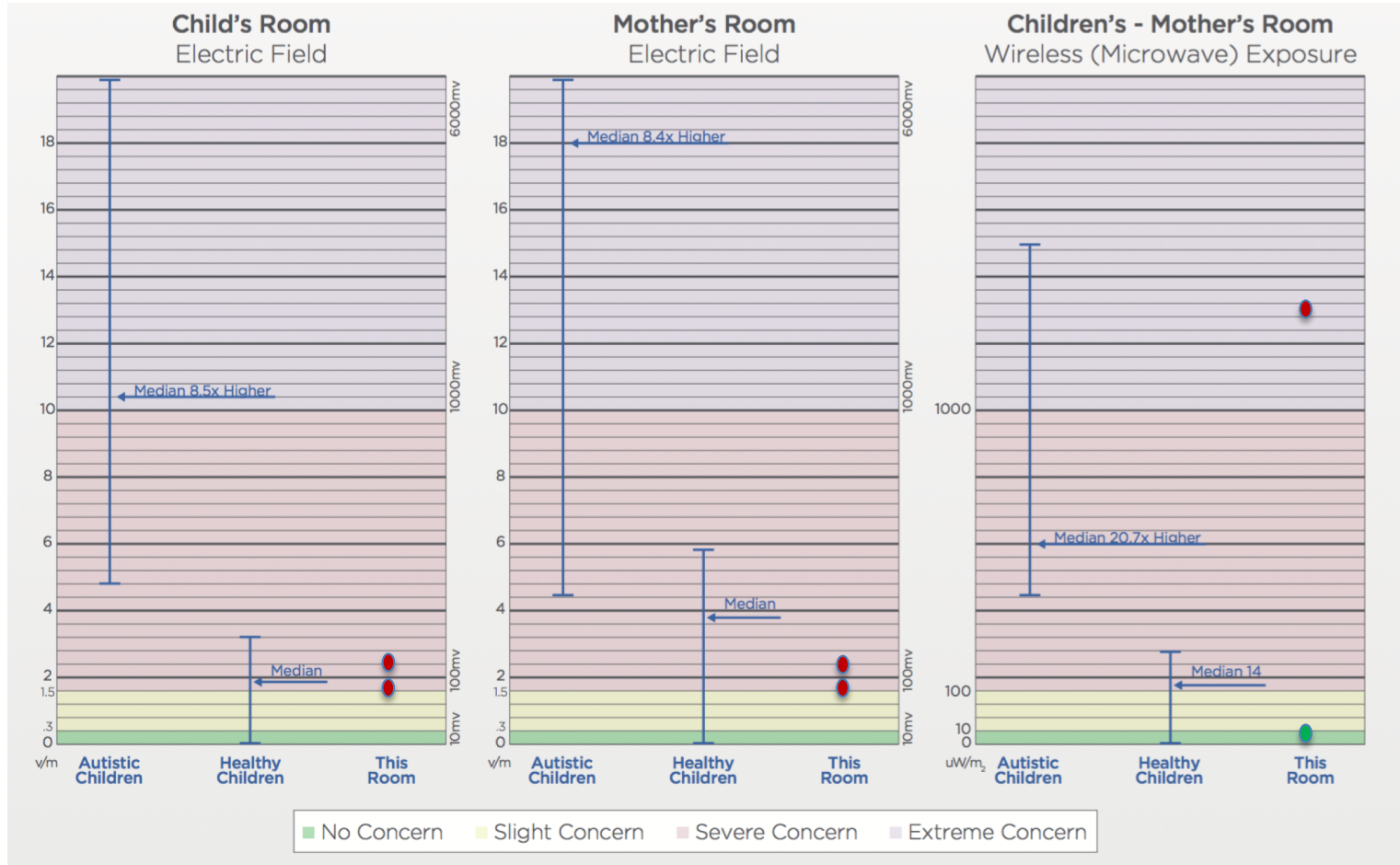
Cell Membrane

- Epigenetics
- Protect cell
- Voltage
- Lipids (fats)

Cell Danger Mode

- “Electron stealers”
- Infections, toxins
- EMF

Dr. Klinghardt's Pilot Study (2002)



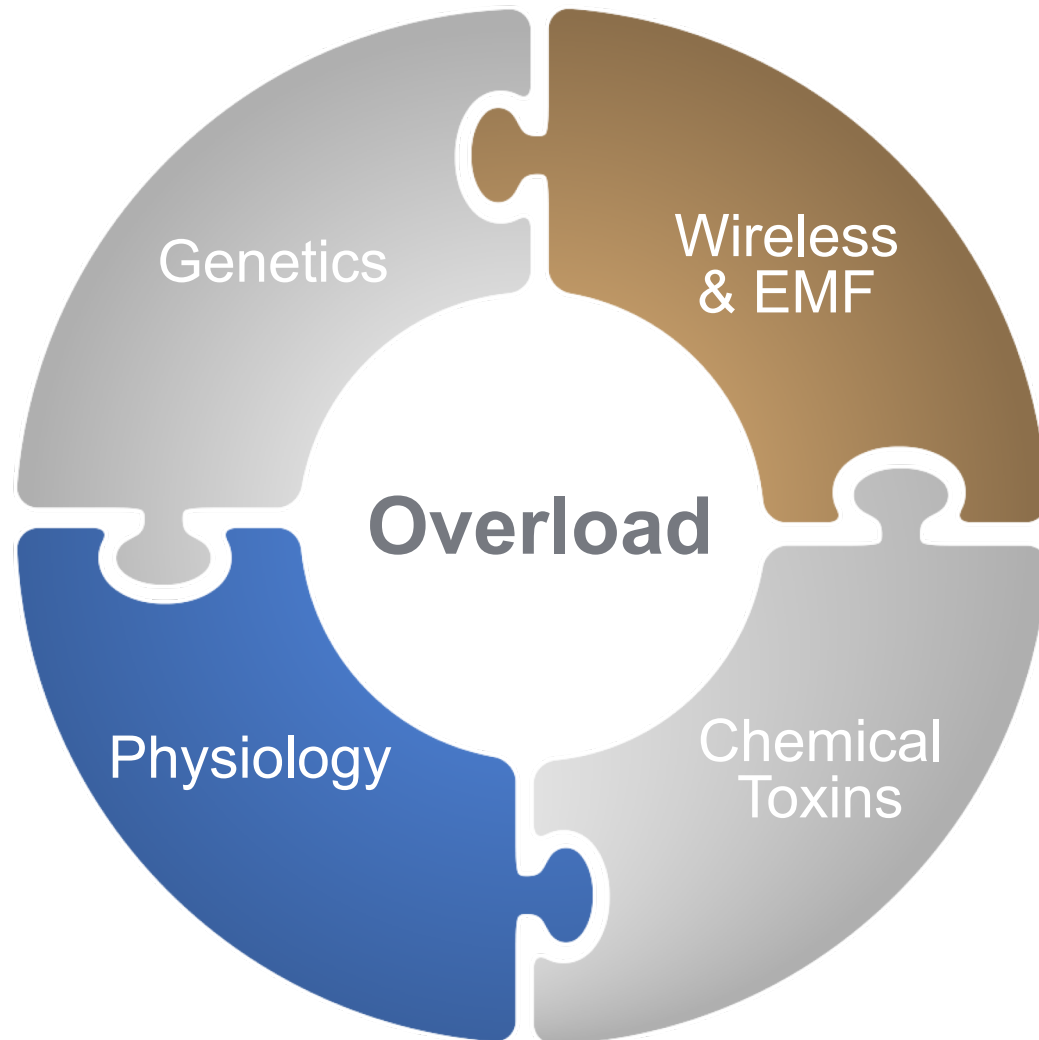
Combined Effects

- Toxic metals, Lyme (infections) & EMF (Klinghardt)
- How EMFs impair detox (Carlo)
 - Cell Danger Mode (Naviaux)
- EMFs can open the blood brain barrier
- Toxic metals and EMF
 - Cause, effect or both?
 - EMF reduction before detox

Fight or Flight Mode

- EMF exposure promotes fight or flight response
 - Body releases energy to fight/flight - more stimulating
 - Autism runaways
- Fight or flight causes further inflammation
 - Body becomes pro-inflammatory
 - Non-critical functions are de-prioritized or turned off to save energy: detox, digestion, repair, growth
 - Reduced detox will increase toxic load and compound the cycle of inflammation and overload

The Autism Puzzle



What Can We Do?

- Rollback to previously known good states
- Denial and “Merchant of Doubt” tactics
 - Promote confusion and delay action
- Take Action to Reduce Exposures
 - Some of our exposure is out of our control
 - The closest sources have the greatest impact
 - We control the closest sources in our homes

What You Can Do Today








- A simple, fast and free protocol
- Dr. Jelter's Calming Protocol
 - Turn off at night (12 hrs.) for a 2 week trial:
 - Baby monitors
 - Cell phones and tablets (in the bedroom)
 - Cordless phone base stations
 - Wi-Fi
 - Bedroom circuit breakers

What to Expect

- More than 80% of children improve
 - Most show slow improvement over period of months
 - About 10% show rapid improvement (within days)
- Remaining 20% may be because of a complex EMF issue or other factors
 - EMF may still be an issue
 - Multiple loads may need to be lifted
 - If you don't at first notice a change, you may notice a regression if you go back to your previous levels of EMF



Wireless Safety

Sources	Solutions
 Baby Monitor	<ul style="list-style-type: none"> ● Turn off ● Move far away from child
 Wi-Fi Router	<ul style="list-style-type: none"> ● Replace with wired Ethernet ● Turn on only when needed ● Turn off at night
 Cordless Phone	<ul style="list-style-type: none"> ● Replace with corded phone ● Turn off main base station at night (unplug or timer)
 Cell Phone	<ul style="list-style-type: none"> ● Turn Off ● Use airplane mode ● Carry and use away from body and head
 Laptop	<ul style="list-style-type: none"> ● Use Ethernet cable and turn off Wi-Fi and Bluetooth ● Move off lap to table top
 iPad/Tablet	<ul style="list-style-type: none"> ● Use Ethernet cable and turn off Wi-Fi and Bluetooth ● Move off lap to table top
 Smart Meter	<ul style="list-style-type: none"> ● Opt-out, use analog meter ● Shield from wireless signal
● Safe	● Reduced Exposure



Wireless Health Effects

- Sperm Damage
- Insomnia
- Ringing in Ears
- Anxiety
- Headaches
- Attention Problems
- Memory Problems
- And more...

References

1. Wireless/RF: WHO Group 2B carcinogen (2011)
2. Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation - US Navy (1972)
3. Pall, Martin L. "Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression." Journal of chemical neuroanatomy (2015).
4. Sepehrimanesh, Masood, and Devra Lee Davis. "Proteomic impacts of electromagnetic fields on the male reproductive system." Comparative Clinical Pathology (2016): 1-5.
5. Overpowered: The Dangers of Electromagnetic Radiation (EMF) and What You Can Do about It, Martin Blank, Ph.D (2014)

For more details:
clearlightventures.com/wirelesscard



What People Experience

- “We are all sleeping better...”
- “My head feels different...clearer”
- “My ears stopped ringing”
- “The room feels cooler now”
- “It feels like there is less pressure”
- “My skin feels less prickly”
- Clear Light Ventures - Wireless Clean Room

References and Support

- This talk: clv.us/wirelesskey2018
- Simplifying Autism
Improvement and Recovery
 - clv.us/autism-simple
- Autism and Your Home
 - clv.us/autism-home
- [Facebook.com/groups/AutismEMF](https://www.facebook.com/groups/AutismEMF)

Our Family's Story



- Stacy and Peter with Max (4) and Jack (6) - 2003
- Goal – just wanted the kids to reach their potential.

Today



- Jack (21) just graduated UC Berkeley – graduate school
- Max (19) will be a sophomore at UC Berkeley studying data science
- I'm back to a healthy weight and sleeping well
- Autism is a distant memory—all is well
- I want this for every child and family currently living with autism