

Polk County Health Services

Children's Mental Health Services

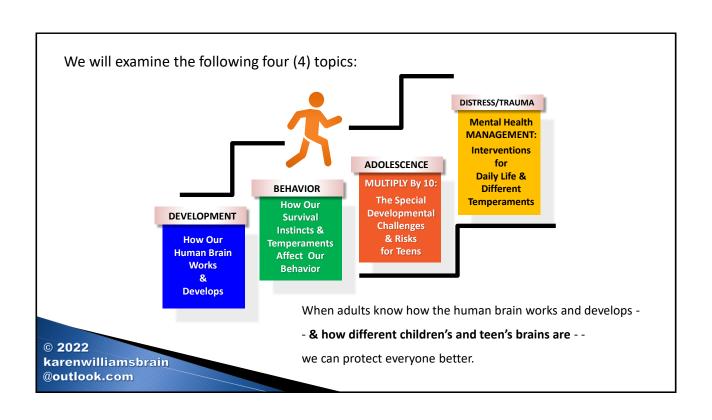
4 Virtual Sessions on the Zoom Platform

Session 1: Thursday May 5, 2022
Session 2: Thursday May 12, 2022
Session 3: Thursday May 19, 2022
Session 4: Thursday May 26, 2022

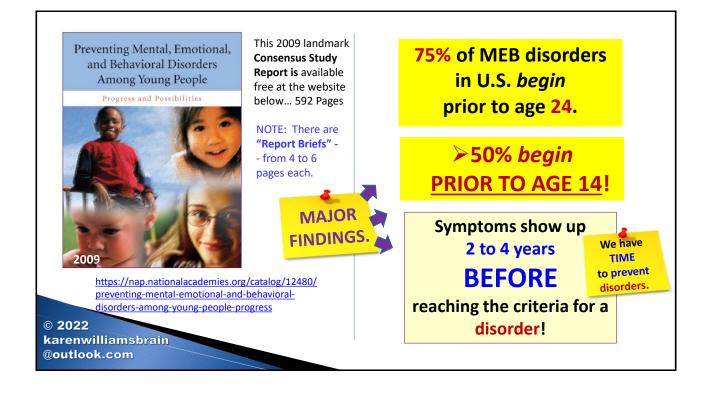
All from 10:00 to 11:30 am

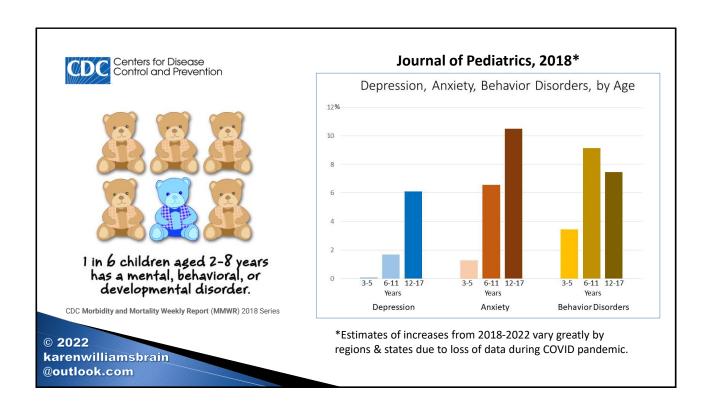
Presenter:

Karen Williams

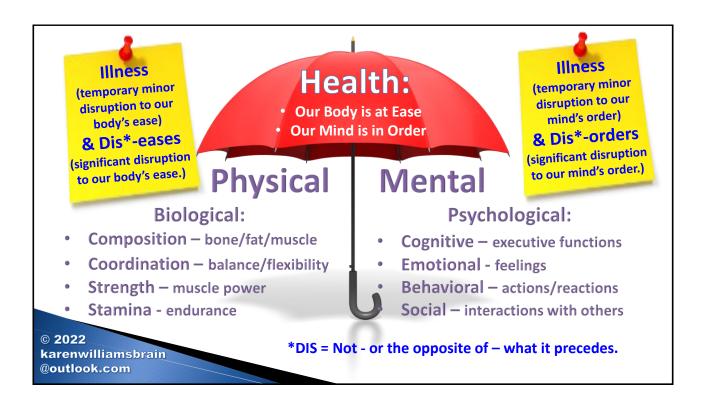


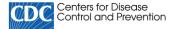












Mental Health is more than the absence of an illness or disorder.

Being mentally healthy during childhood means reaching developmental and emotional milestones and learning healthy social skills - - and how to cope when there are problems, i.e., learning to be resilient.

Mental disorders among children are described as serious changes in the way children typically learn, behave, or handle their emotions, which **cause distress** and problems getting through the day. **Mental Health depends on MANAGING DISTRESS.**

Many children occasionally experience fears and worries or display disruptive behaviors. If these symptoms are **serious and persistent** - **and interfere with school, home, or play activities** - **the child may be diagnosed with a mental disorder.**

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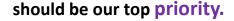
Indicators of Children's Mental Health:

- Affection/Friendship
- Resilience
- Positivity
- Curiosity
- Persistence
- Self Control

Learning & development depend on a child's Mental Health.

Teaching children how to:

- Manage distress
- Cope with problems
- · & be Resilient



Social Emotional Skills mitigate & prevent mental health problems.

© 2022 karenwilliamsbrain @outlook.com Research shows that when we reduce the causes of our children's distress - or if we can't reduce the distress, teach them how to overcome & manage their distress, we can:

- Reduce up to 50% of children's mental health disorders
- > Reduce child abuse
- Increase school success & graduation rates
- > Reduce referrals to juvenile justice
- Reduce up to 40% of adult mental health disorders

Mental Health depends on our having a physically healthy brain.

Any **injury** to our brain can affect our mental health.

Falls, concussions, car crashes, etc., can affect the same nerves that are involved in our mental health.

CAUTION

When assessing a young person's mental health, we are trained to always look for any medication mis-use or drug use - - or a missed medication....

ALWAYS ask about any potential injury to the brain & neck as well.

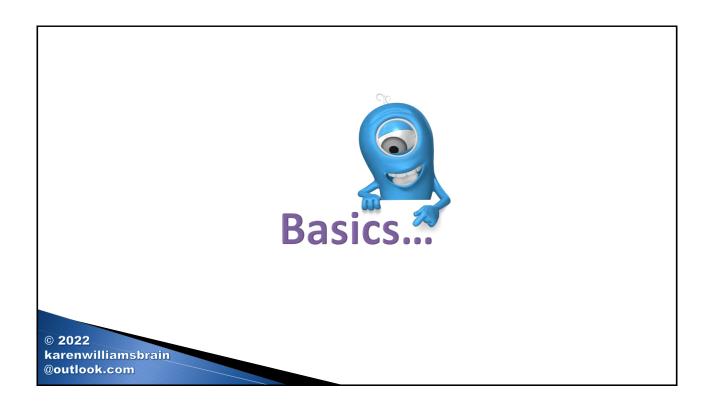
Adequate sleep is essential to our **Mental Health...**

There is a bi-directional relationship between sleep and mental health, in which sleeping problems may be both a cause and consequence of mental health problems.

© 2022 karenwilliamsbrain @outlook.com Newborns14 to 17 hours per dayInfants (up to 12 month)12 to 15 hours per dayToddlers (1 to 2 years)11 to 14 hours per dayPreschoolers (3 to 5 years)10 to 14 hours per daySchool-age children (6 to 12)9 to 12 hours per dayTeenagers (13 to 17)8 to 10 hours per day

Always determine the amount of sleep (by age) that a child is getting on a routine basis. Include:

- Bed time routine reasonable given the age
- · Own bed or sharing?
- How may people in the bed?
- Neighborhood noise gunshots, etc.?



Health:

Our Body is at Ease

Our Mind is in Order

...BTW...
Our Nervous

System makes

everything else

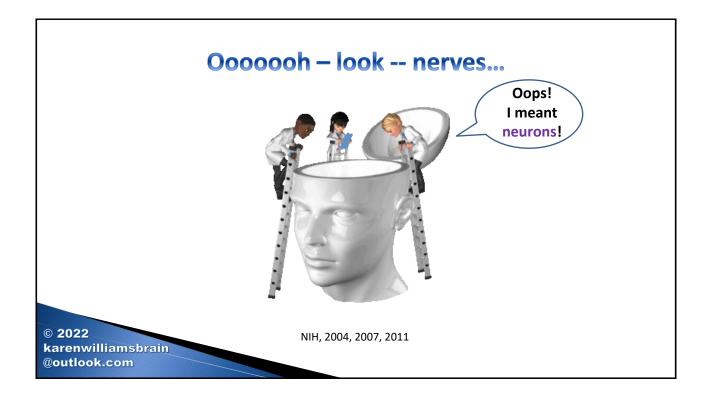
work!

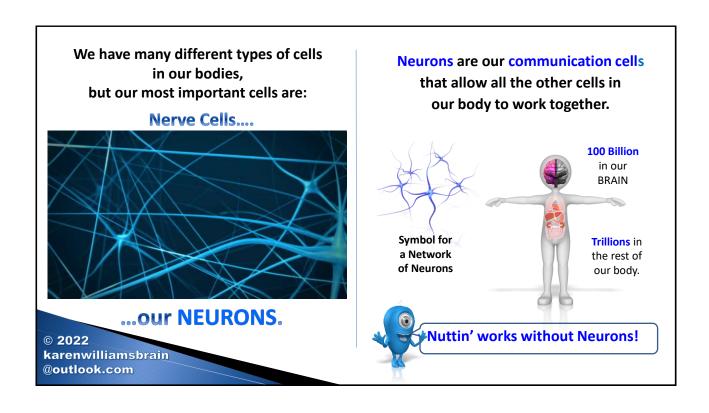
Systems of the Human Body:

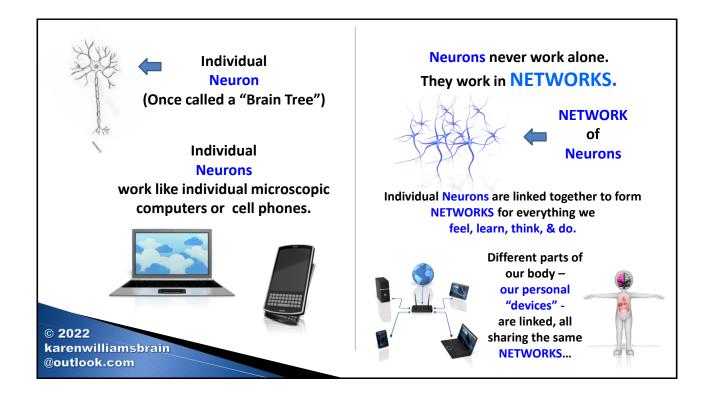
- 1. Skeleton
- 2. Muscular
- 3. Integumentary/Skin, hair, nails
- 4. Respiratory/Breathing
- 5. Cardiovascular/Blood Circulation
- 6. Digestion/Solid Waste Elimination
- 7. Urinary/Water Waste Elimination
- 8. Endocrine/Hormones
- 9. Hematopoietic/Lymphatic/Inflammation Control
- 10. Reproduction

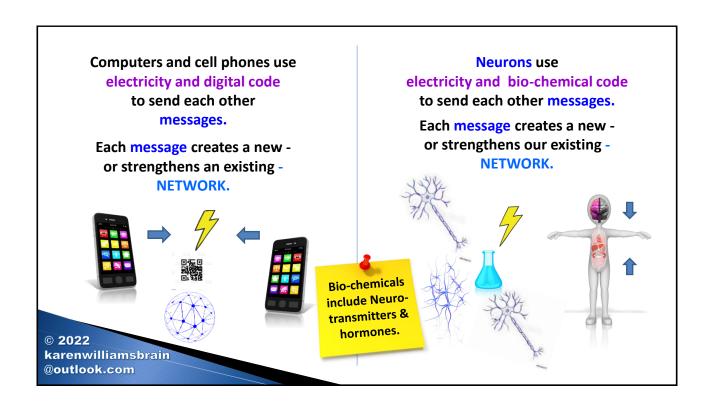
11.Nervous System – Our Neurons & Networks = communication between & coordination of all the other human body's systems.

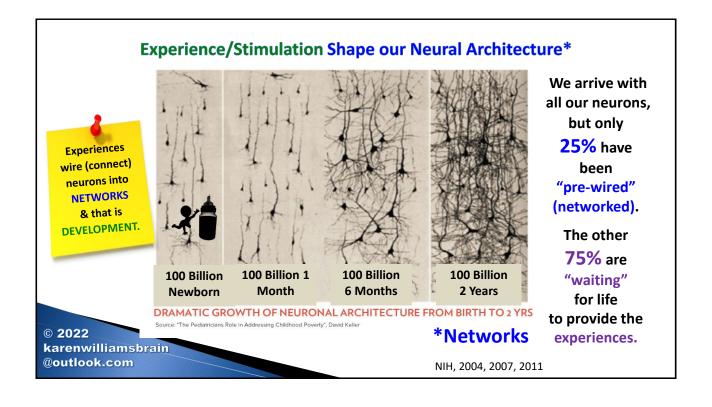
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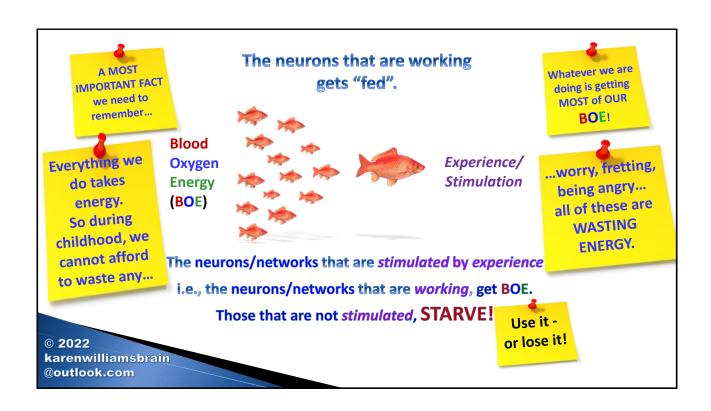


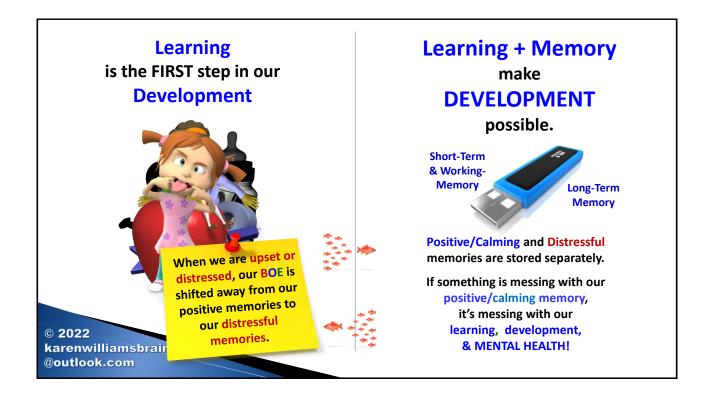














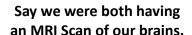
Automatic Way "In":



Mirror Neurons "Observer Neurons"

What is observed is AUTOMATICALLY STORED

in our memory.



You

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You do an Actual Activity while being scanned

You have an Actual Experience

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I only
Observe
you while
being
scanned
=
I have a
Virtual

Experience

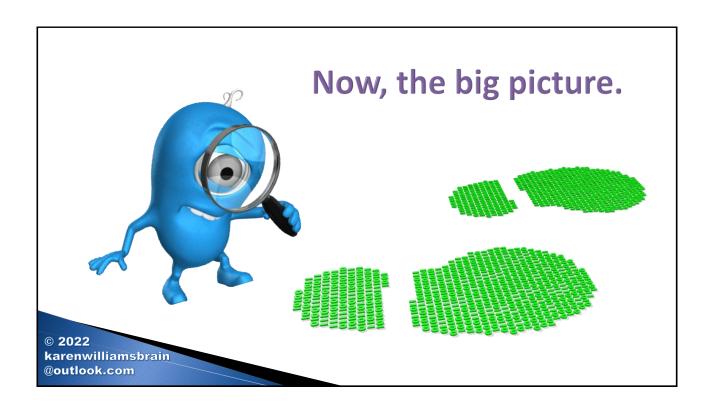
Be careful what you model.

It can wire the brain of the observer.

& Modeling is the most powerful way to teach!

the same neurons were stimulated & wired/networked in both our brains.

Our scans look exactly alike;





Life is like being in the middle of a see-saw that is mounted precariously on a large ball - - meaning that the see-saw is shifting

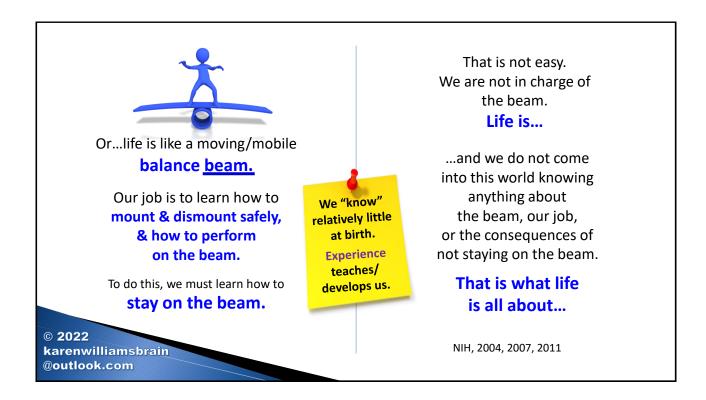
unexpectedly all the time -- & it is super sensitive to any adjustments

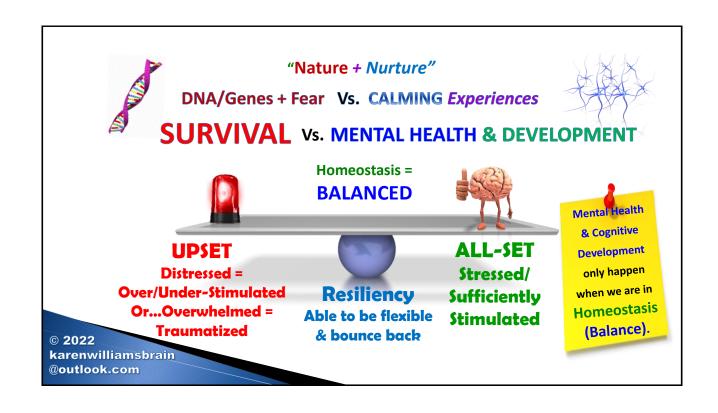
we may make.

© 2022 karenwilliamsbrain @outlook.com Our only job is to learn how to keep our balance... so that we can do everything else in life.

The problem is that we can
learn, develop, & have
Mental Health
ONLY WHEN WE ARE in BALANCE.

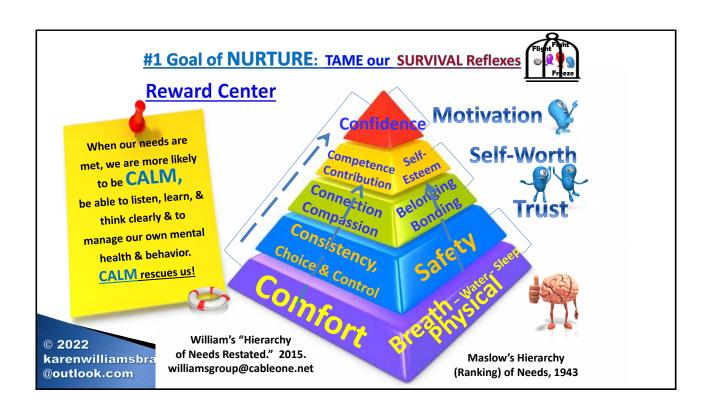
















When life throws us a curve ball...

...we can be overwhelmed, lose our balance, be knocked off life's see-saw, and be flat on our back on the ground

We are mentally, emotionally & sometimes socially overwhelmed - - and guess what?

Being overwhelmed is the definition of psychological trauma!

Psychological TRAUMA

is defined as...

"a level of mental, emotional, or social distress that exceeds & overwhelms one's coping skills & habits."

We all respond differently to anything challenging or threatening, i.e., adversity.

The same situation can be mildly inconvenient to one person & absolutely devastating to another.

Some people need far more support than others to overcome & recover.

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exists within the person
NOT in the event or
circumstance.

Please remember - - anything that is psychologically overwhelming,

i.e., psychologically traumatizing, is likely to "knock us down".

That's normal for everyone.

It's how we face that situation afterwards that defines our level of resilience.

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Physical & Psychological Resilience

are essential to mental health...



They both require:



- Strength
- **Stamina**
- **Endurance**

HARDINESS

But, remember, **Psychological** I'm sticking with **Psychological** Resilience Resilience. is defined as the ability to rise to & meet challenges & setbacks, to adapt to change,

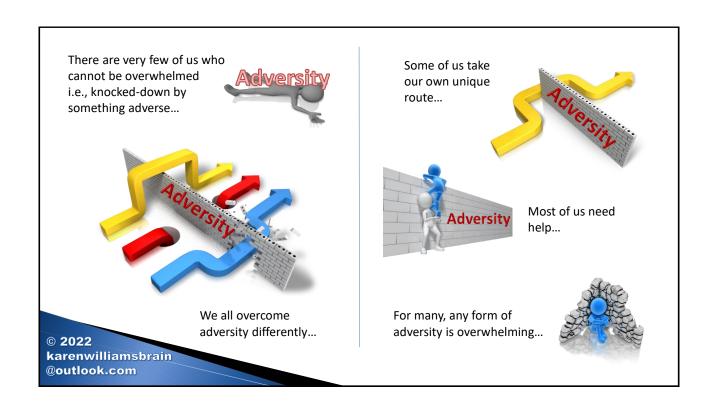
to keep going in the face of adversity,

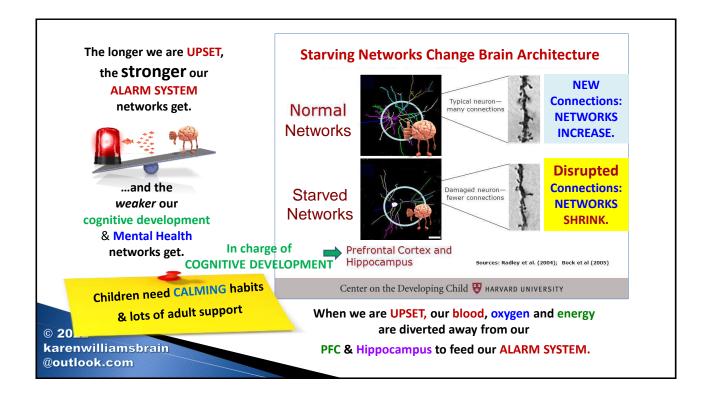
and to recover...bounce back.

A layman's definition:

Psychological Resilience: Psychological Hardiness...







The Value of Being

CALM



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Everything Depends on our Neurons & their Bio-Chemistry

Our neural bio-chemistry makes it possible for us to:

Move at Will, Listen, Focus, Concentrate, Remember, Contribute,
Think Rationally, Self-Regulate, Be Patient & Courteous;
Have Compassion & Empathy; Recover from Psychological Trauma/
Behavioral Health Problems, Stay Physically & Psychologically Healthy - & Be RESILIENT & RECOVER from Injury...

...BUT...ONLY when we can

FIRST feel CALM.

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NIH: 2001, 2004, 2009, 2011, 2014, 2017.

And...

NEVER... in the history of calming down has anyone ever calmed down by being told to calm down.

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Unknown

Not everyone has experienced being calm...





Do I know what it feels like to be CALM?

What does CALM look like? Sound like?

Can I produce a feeling of CALM at will?

Do I value being CALM - - do I want to be CALM?

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<u>Calm</u> themselves (Neked & Alone)

Identify

their triggers, sensations, & emotions

Ask

know who, when, & how to ask for help.

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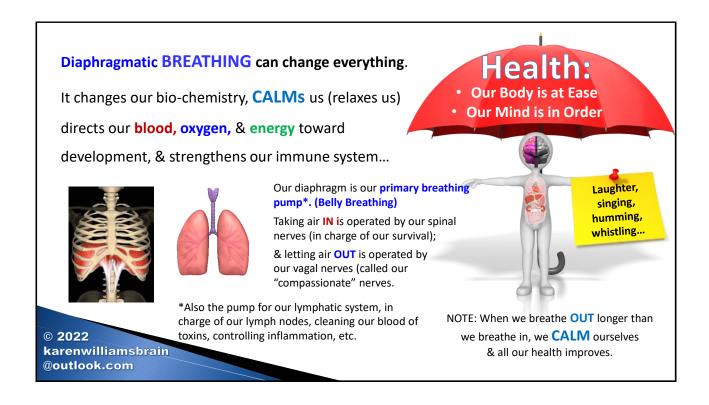
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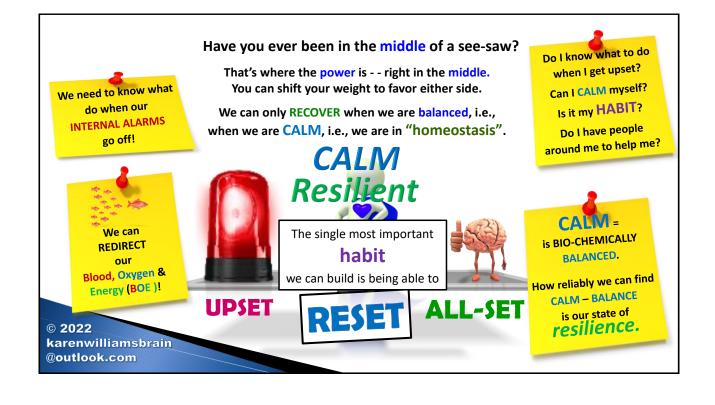


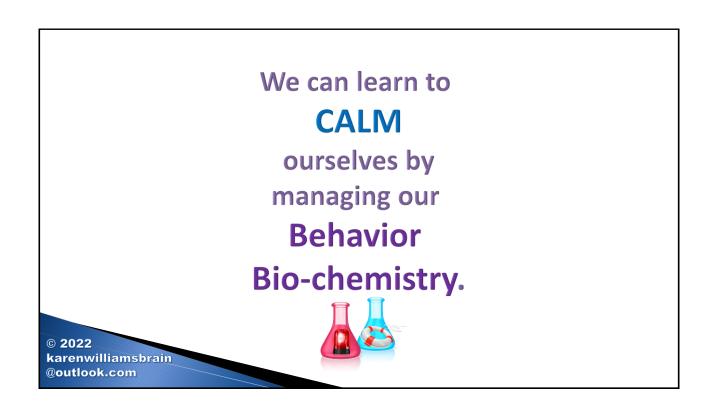
The first and most important question for children when it comes to mental health is:

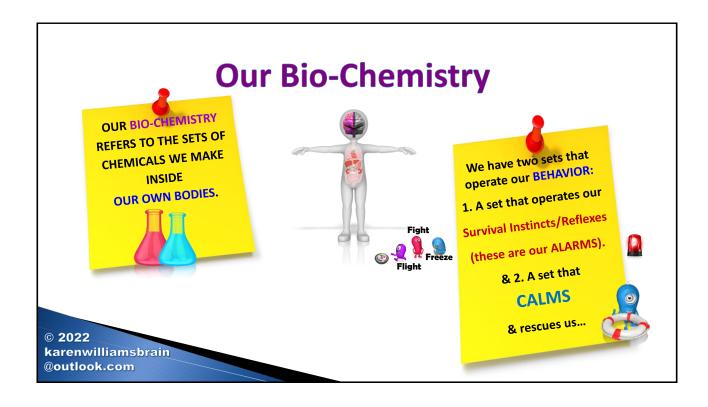
"Do I know how to calm myself in all situations, can I do it "neked & alone", and have I practiced it until it has become a habit – like walking and talking?"

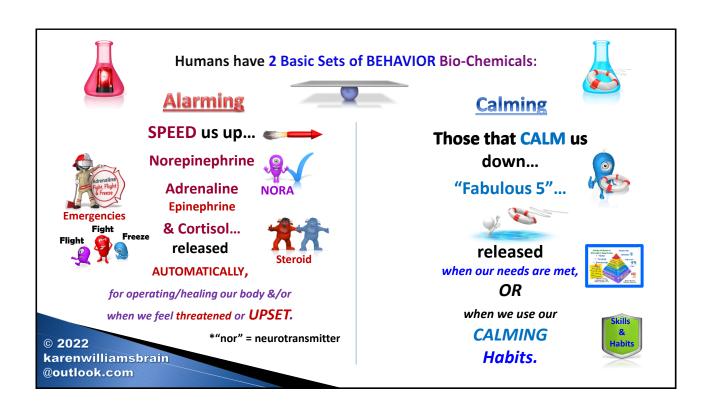




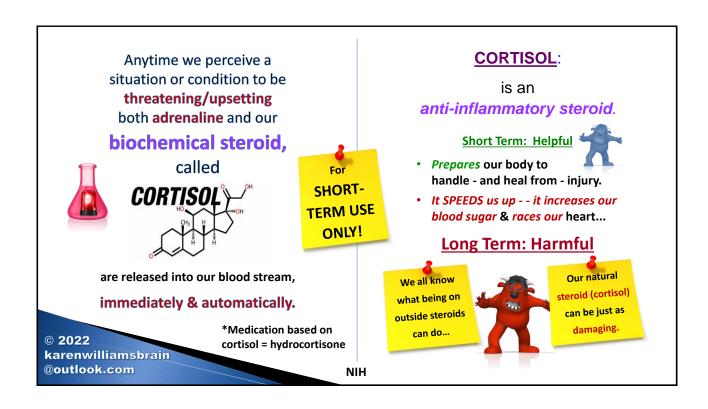


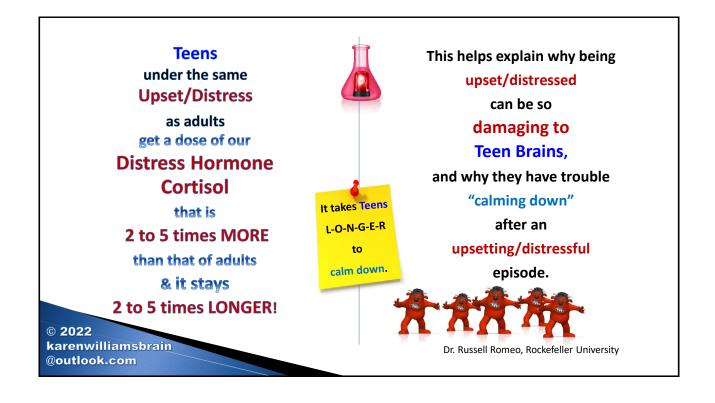


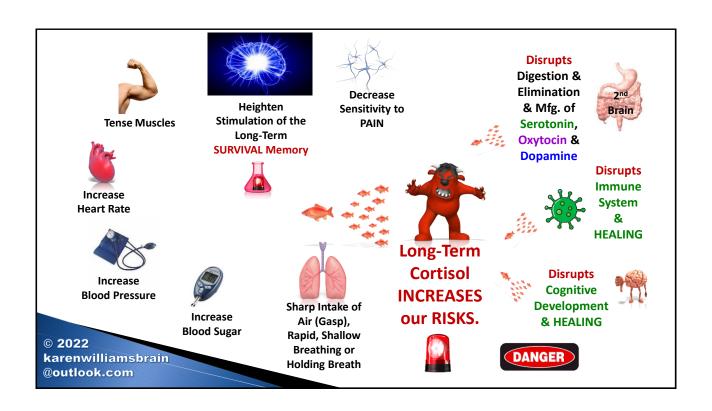




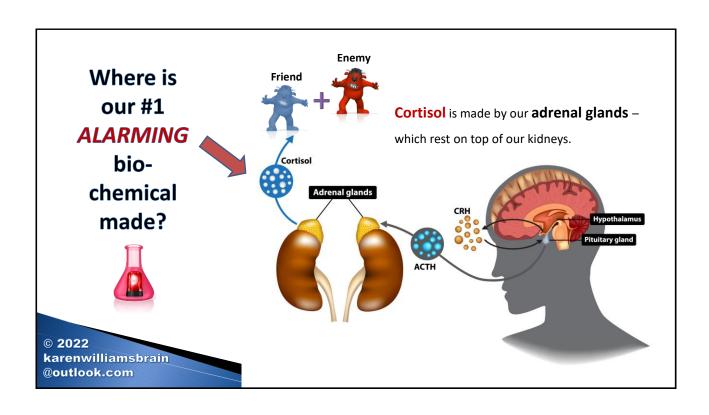




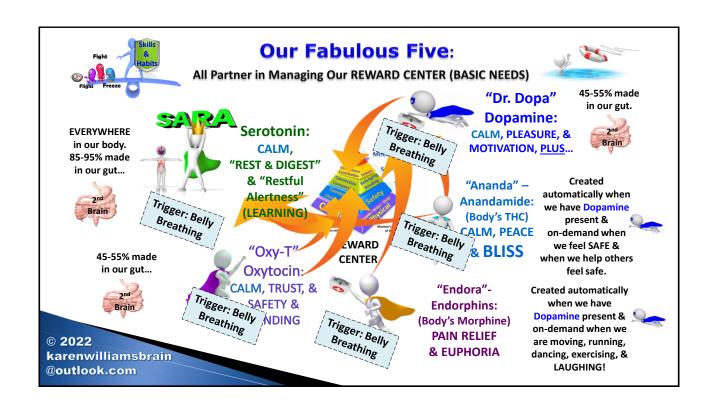


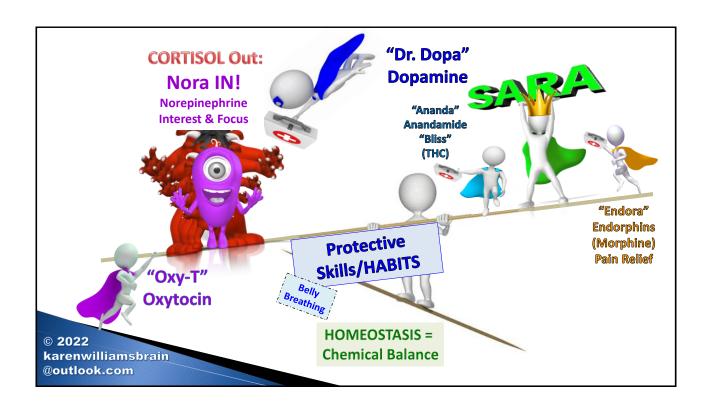




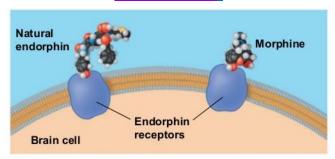








The morphine molecule <u>mimics</u> our body's natural *Endorphin*.

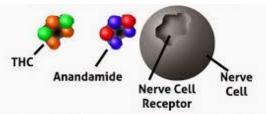


Our endorphins are psychological & physical pain killers.

We can build endorphins on demand when we are active and moving, exercising, laughing heartily, Breath & deep, slow belly breathing, & breathing out slowly.

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Marijuana's THC molecule mimics our natural Anandamide.



Anandamide produces a feeling of calm, wellbeing, and "bliss".

It works with Serotonin to help our bodies regulate functions ranging from appetite, sleep, mood regulation, neuro-protection, immune function, pain management, and even fertility.

We can build Anandamide on-demand by Belly Breathing, Deep, Slow Breathing OUT, Smiling, Laughing, Music, Gratitude, Generosity, etc.

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Endorphin & Anandamide Deficiencies

Because you must have DOPAMINE present before you can have access to Endorphins and Anandamide.

When you have a dopamine deficiency you have endorphin and anandamide deficiencies.

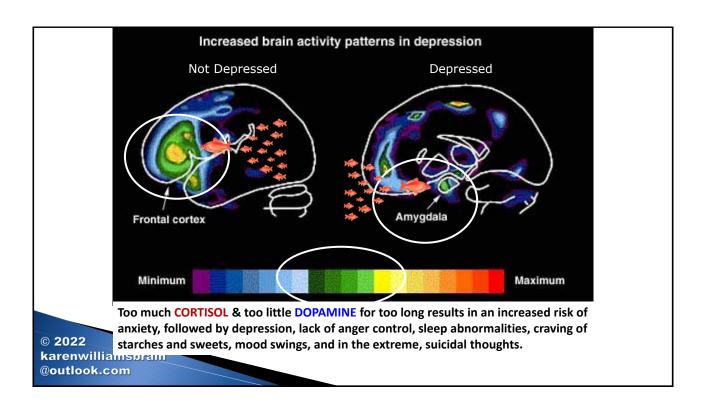
Physical and psychological pain become more intense & less manageable,

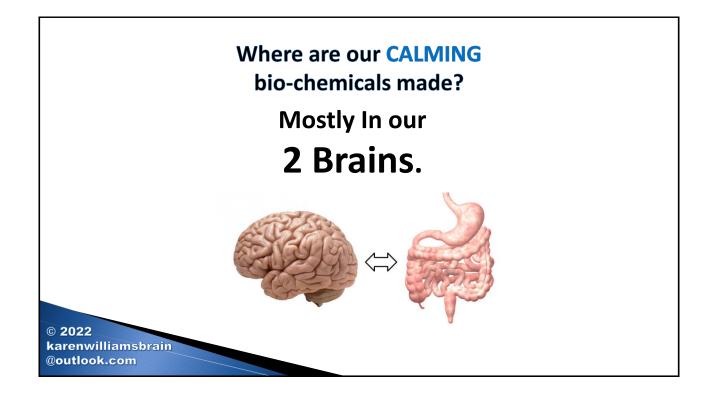
we cannot find calm or comfort, we are distressed, and more CORTISOL is released.

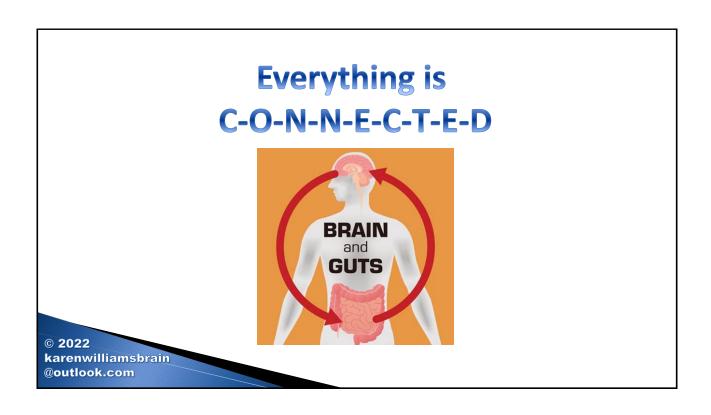
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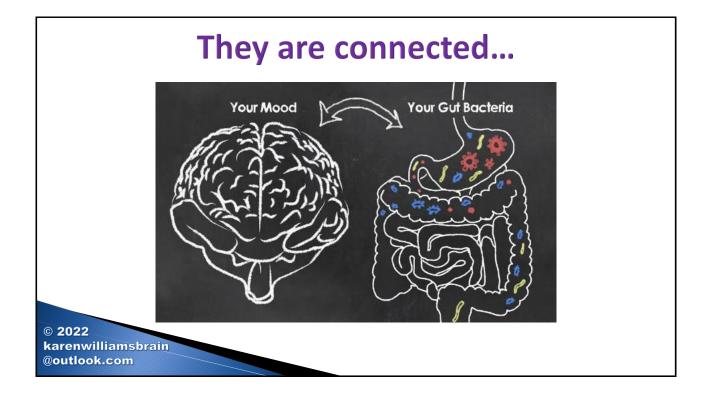
NIH, 2017



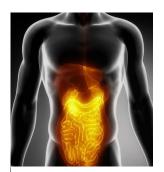








Our Gut is Our "SECOND BRAIN"



Feeling Distressed SLOWS IT DOWN!

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- ➤ Has 500 Million Neurons that are in constant contact with the neurons in our "First/Big Brain".
- Job: To produce hundreds of chemicals our brain and the rest of our body use to function.
- **Produces:**
 - 85-95% of Serotonin
 - **40-50% of Dopamine**
 - 40-50% of Oxytocin
- Houses and programs:
 - 50%+ of our <u>Immune</u>
 <u>System, that protects us</u>

 from illness & disease.

When distress SLOWS/DISRUPTS our gut, it leads to:

- Digestive & Elimination Problems Acid Reflux, Indigestion, IBS, Constipation, Colitis, Crohn's
- Metabolism Problems, Gall Bladder, etc.
- Weight Gain, Obesity
- Diabetes (Type 2)
- High Cholesterol, Blood Pressure
- Heart Disease
- Slower Healing
- Inflammations and Allergies
- Infections
- Anxiety & Depression



OUR GUT'S JOBS:
Digestion, Elimination,
Metabolism,
Immune System,
Mfg. of Sara, Dopa, & Oxy-T

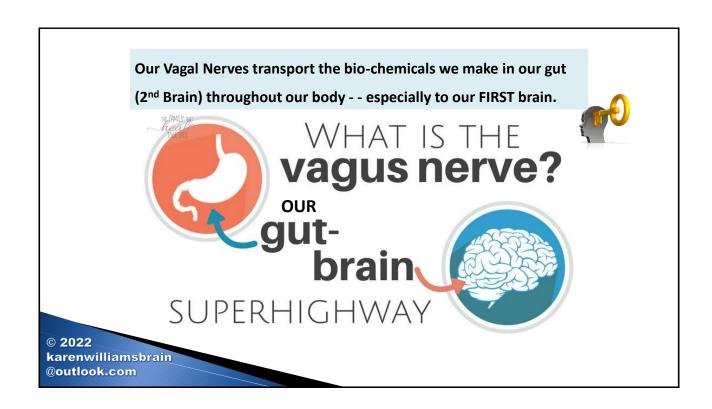
When assessing a child's mental health, ask "gut" questions; the answers can identify early warning signs.



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Implications for both medical and psychological interventions are spurring new research at a rate we have not seen in decades.

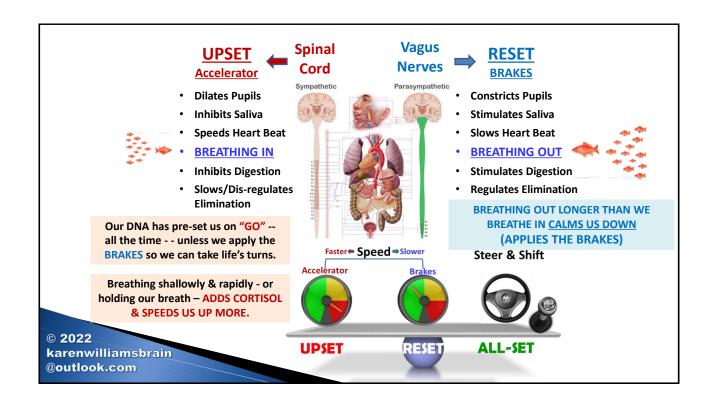


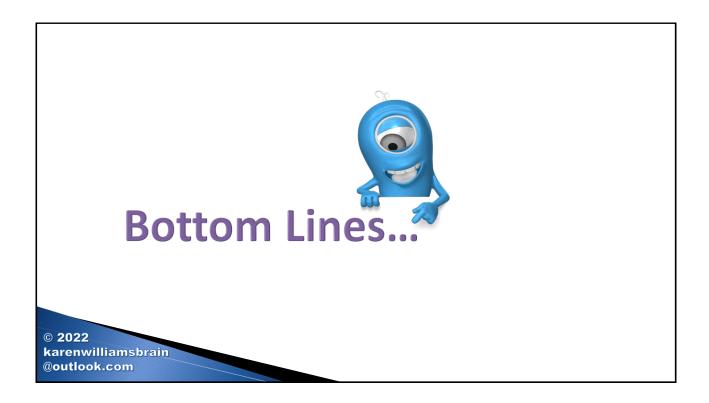
Vagus Nerves (left/right) OR Vagal Nervous System:

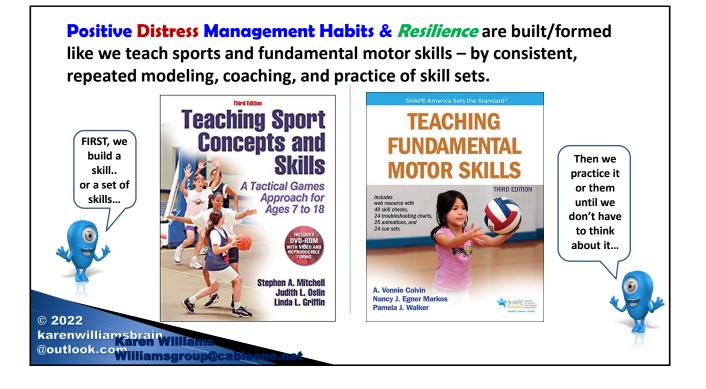
- Cranial Nerve X (No. 10)
- Para-sympathetic System
- Exits the Brain Stem, splits into 2 sides & "wanders" throughout the thorax and abdomen
- Called the "compassion" nerves because when we give compassion to others, or when we receive it from others, we stimulate the nerves, and they "grow" stronger connections & the nerves get bigger.

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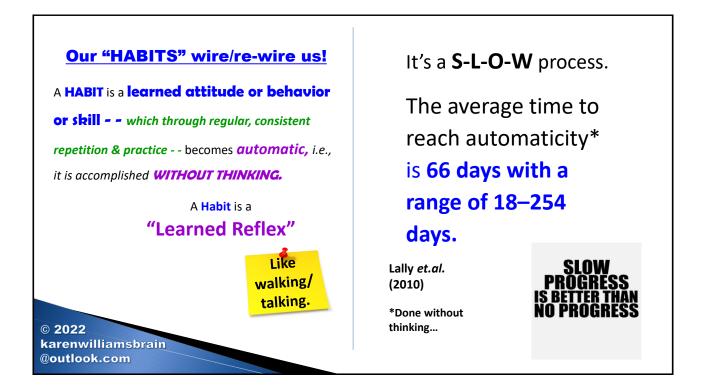
Vagus/Vagal Nerves: Our "Compassion" Nerves: Parasympathetic System Constricts pupils Stimulates flow of saliva Constricts bronchi Slows heartbeat Stimulates peristalsis and secretion Stimulates bile release * PUSHES AIR OUT Contracts bladder Breathing OUT stimulates our Vagal Nerves.













In addition to your Children's Mental Health Initiative:

- The lowa Department of Education is providing grants to school districts to help them meet mental health needs and provide wraparound services for students and families.
- In addition, the lowa Department of Education is partnering with the University of lowa's Baker Teacher Leader Center to establish a new Center for School Mental Health that will provide training and professional development to both student teachers and practicing teachers.



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