

# HEALTHCARE WORKERS DURING DANGEROUS TIMES

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### Part One Objectives

Understand State-Dependent Brain Functioning to enhance self-awareness and coping.

Apply Cognitive Behavioral Therapy (CBT) approaches to further cope with negative thoughts and emotions in constructive ways.

Given the current COVID-19 pandemic and the unknowns, we are experiencing unpredictable stressors.

Typically we function as more "regulated" and cope as best we can with typical stressors.





We can expect more fatigue, expect everyone to be less capable of focusing, and expect more irritability from yourself and others. We are vulnerable to high levels of cortisol, lower immunity, inflammation, and aging at an increased rate.

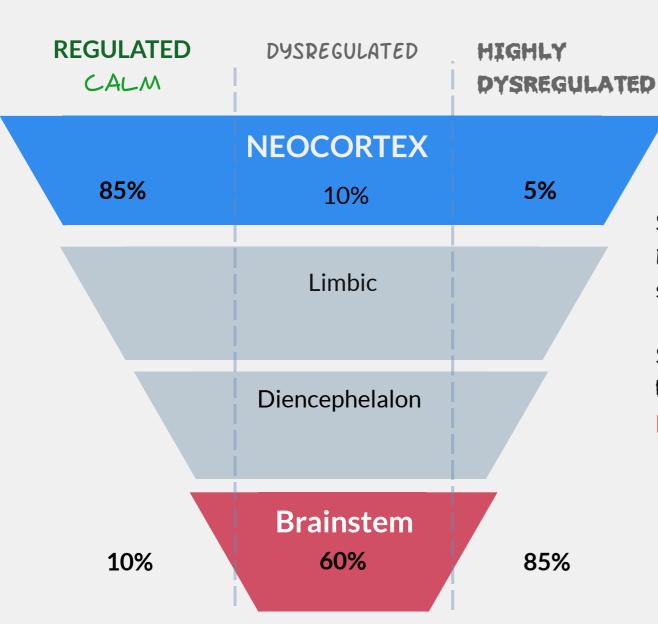


Be gentle with yourself and others.

The importance of selfawareness is knowing if I am regulated or dysregulated.

Without creating a space for awareness of our dysregulation and understanding regulation skills, we will remain sensitized and vulnerable.

### State-Dependent Brain Functioning



We can't always "think" our way out of situations. When we are under a state of threat, we dysregulate. Feeling threatened changes the way we think, feel, and behave.

State-dependent brain functioning in the **NEOCORTEX** while **DYSREGULATED** drops from 85% to 10%. The bottom **BRAINSTEM** shifts from 10% functioning to 60%. (Flock or freeze)

State-dependent brain functioning in the **NEOCORTEX** while **HIGHLY DYSREGULATED** drops from 60% to 5%. The bottom **BRAINSTEM** shifts from 60% functioning to 85%. (Flight/Fight)

(Perry, 2020)



Understand and incorporate Self Regulation while practicing a "bottoms up" approach to regulation.

Tap into somatosensory regulation with breathing as well as patterned and rhythmic movement.

Bottom-up techniques work through the body to change the brain, especially the lower, subcortical areas of the brain outside of conscious awareness and conscious control. (Sweeton, 2019)

# BREATHE





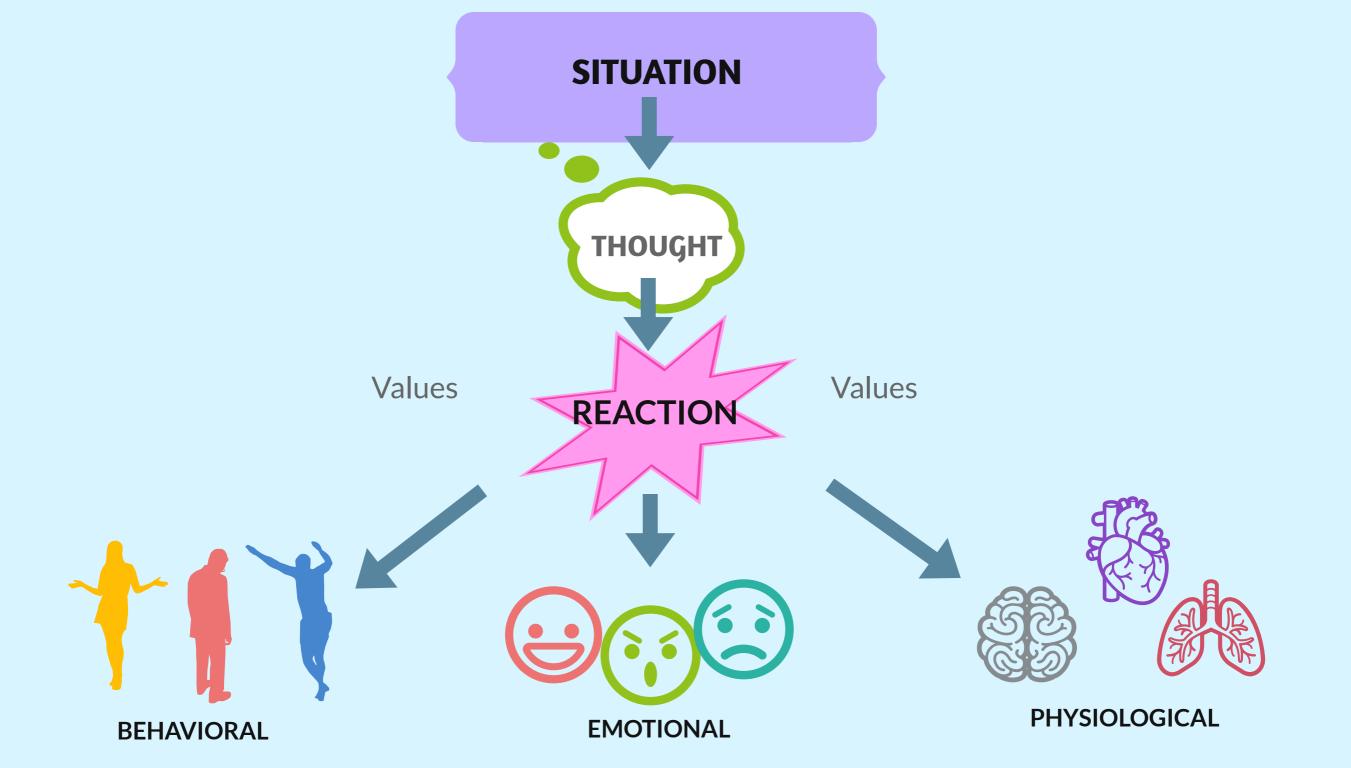
#### **COGNITIVE BEHAVIORAL THERAPY**



Cognitive behavioral therapy is based on the cognitive model; the way we perceive situations influences how we feel emotionally.

So it is not a situation that directly affects how people feel emotionally, but rather, their thoughts in that situation. When people are in distress, their perspective is often inaccurate and their thoughts may be unrealistic.

Cognitive behavioral therapy helps us identify distressing thoughts and evaluate how realistic the thoughts are. Then we learn to change our distorted thinking. When we think more realistically, we feel better. The emphasis is also consistently on solving problems and initiating behavioral changes.



I can't do my job
I miss my family/kids/grandchildren
The situation is hopeless

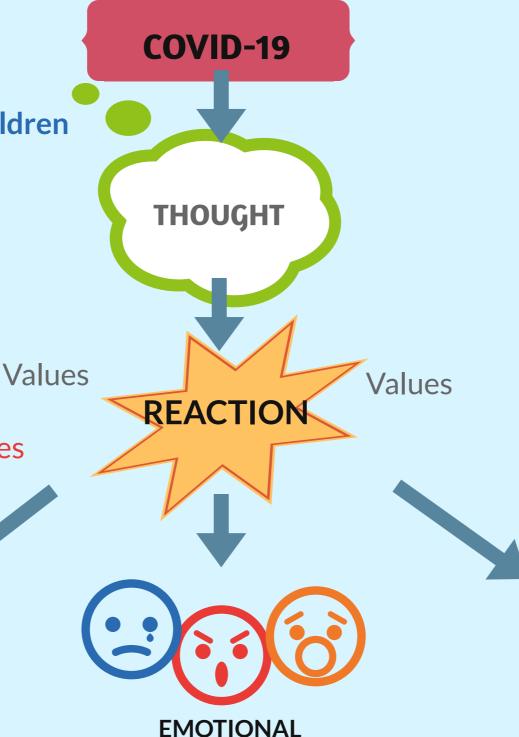
This is not fair, I don't deserve this

They knew it was coming

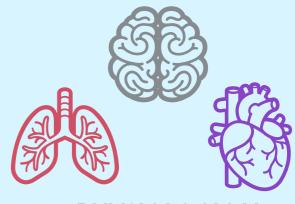
We don't have adequate supplies

They lie to us





I or someone I love could get sick and die There are to many cases, I can't handle the work load My patient(s) might die



**PHYSIOLOGICAL** 

#### **Top-down Change Thinking**

### ITCH for Problem Solving

- Identify the Problem.
- Think about possible solutions.
- Choose a solution to implement.
- How well does it work?

Muñoz, R.F. Ippen, C.G. Rao, S. Le, H-N. Dwyer, E.V.

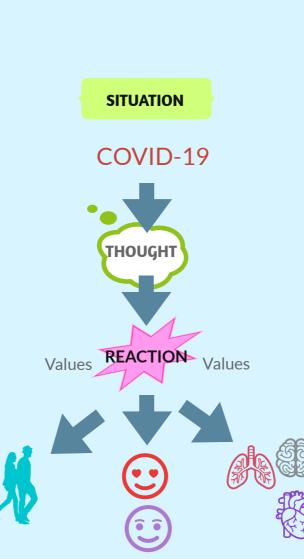
(2000). Manual for group cognitive behavioral therapy of major

## Socratic Questions for Guided Discovery

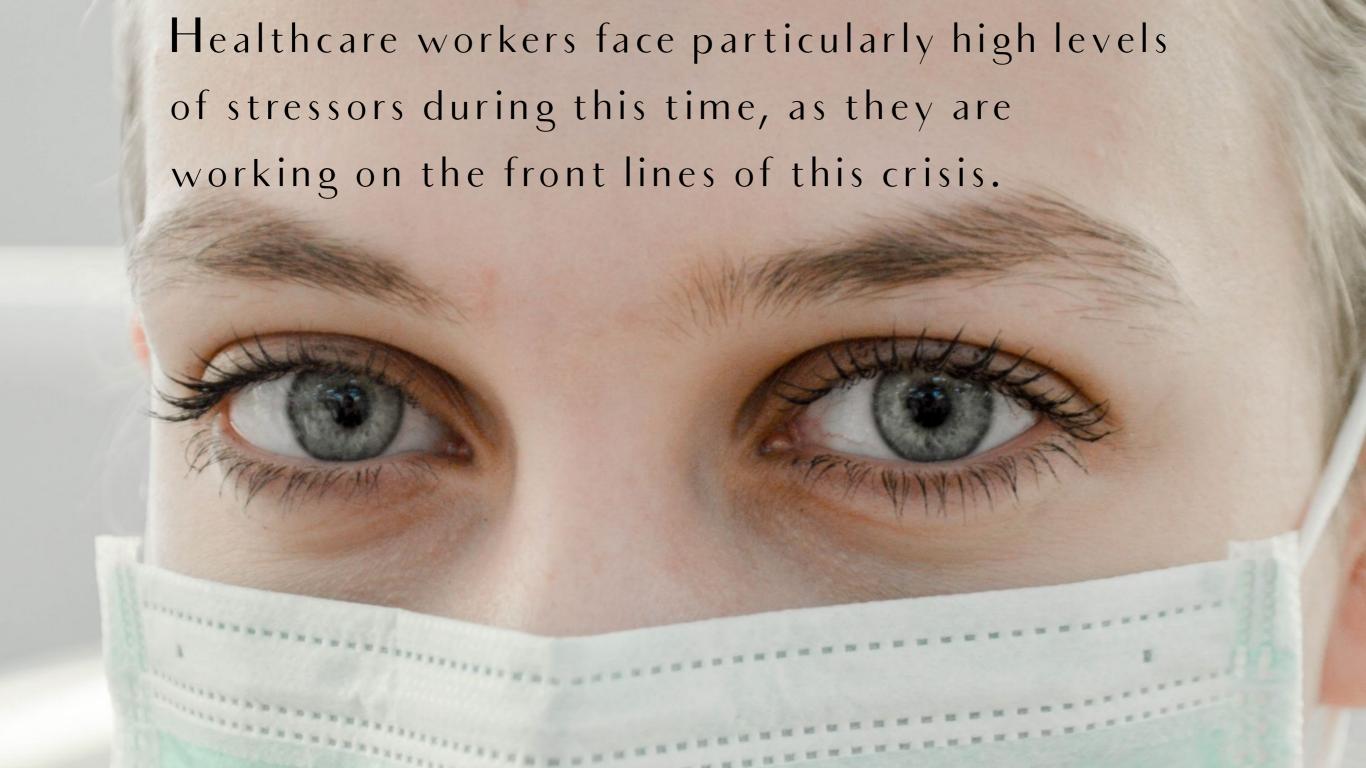
- What is the evidence that my thought is true? What is the evidence my thought is not true?
- What's an alternative explanation or viewpoint?
- What's the worst thing that could happen and how would I cope if it did?
- What is the best thing that can happen?
- What is the most likely outcome?
- What is the effect of telling myself this thought?
- What could be the effect of changing my thinking?
- What would I tell someone else if he/she viewed this situation in this way?
- What should I do now?

#### Using CBT for Empowerment and Control

- I will do my best regardless
- I'm learning what it is like for others to be fearful and scared
- I'm seeing new talents from my staff and coworkers
- I'm stronger than I thought
- I'm talking more to my family
- This is the most meaningful thing I can do
- I have a caring community
- This is hard but we will come out of this pandemic stronger and wiser



- My stress response is working for me
- This is growing me stronger in my faith
- I'm noticing what is most important
- I'm learning a new appreciation for life
- This is teaching me to take better care of my mind and body
- Im not spending money on things I don't need
- I am not alone in this



### Caregivers need care, too.



Healthcare workers are more susceptible during this crisis to the following conditions:

- Anxiety disorders
- Depression
- Post TraumaticStress Disorder(PTSD)

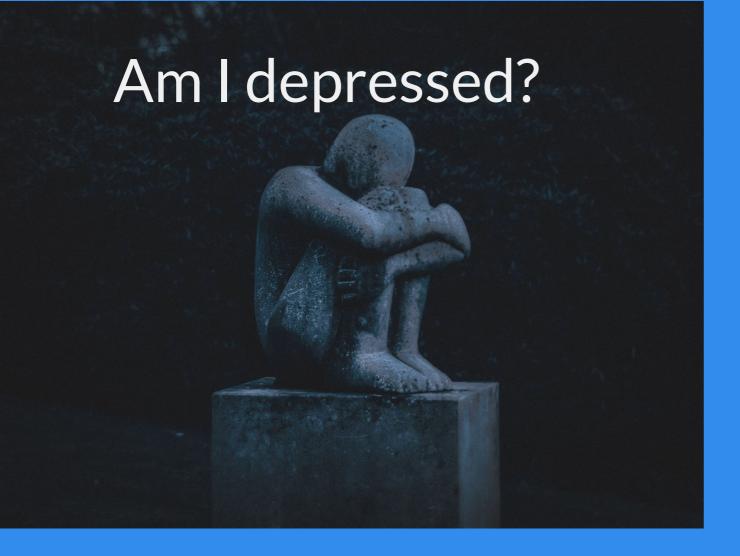


#### How much is too much anxiety?

A normal level of anxiety is healthy and serves to motivate us to prepare and react appropriately in stressful situations.

When anxiety becomes too high, it can lead us to react to stress in a disproportionate way that can interfere in our lives and dysregulate our bodies. If you are experiencing anxiety attacks, physical symptoms (heart palpitations, difficulty breathing, hyperventilating, sweating profusely, feeling overly flushed or having GI issues, highly irritable or having difficulty sleeping) or are experiencing interference at work or home, you may be suffering from an anxiety disorder.



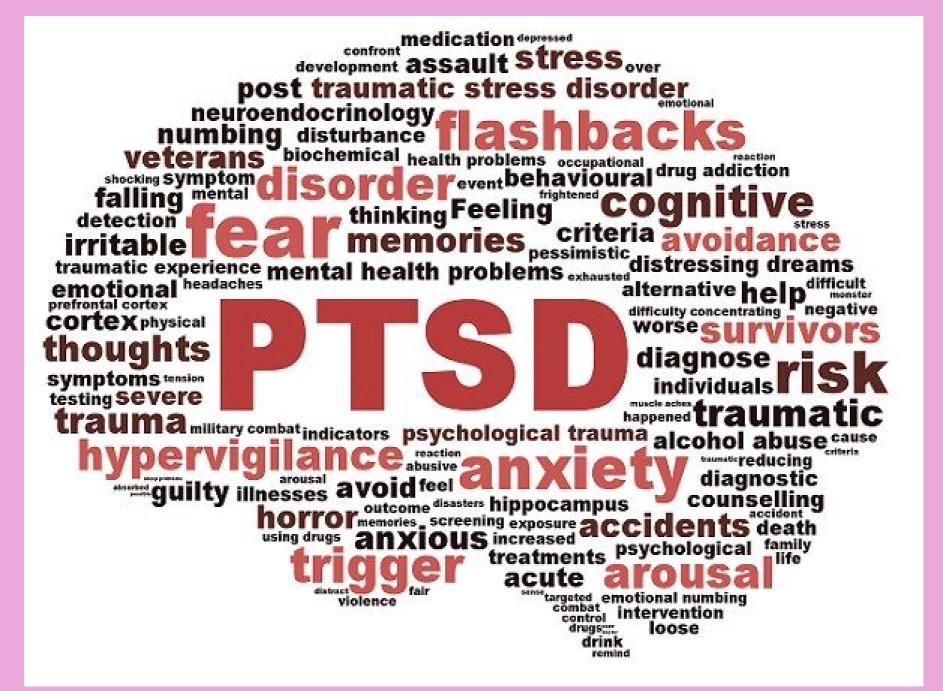


We all get sad sometimes. Sadness is a healthy and normal response to grief, loss, life transitions and difficulties. Depression is different. It is persistent and interferes with your life.

#### Symptoms of depression include:

- Feelings of sadness, hopelessness, tearfulness, or emptiness
- Significant shifts in appetite
- Difficulties with sleep
- Impaired concentration and focus
- Outbursts of anger and irritability
- Slowed thinking and processing
- Feelings of worthlessness and guilt
- Loss of interest or pleasure
- Anxiety, restlessness and agitation
- Tiredness and lowered energy
- Recurrrent thoughts of death and suicide

#### Is it stress, or is it PTSD?



#### When To Get Help

If your levels of anxiety, depression or symptoms of PTSD are affecting you at work, home, in your relationships or just personally, help is available to you.

If the support you already have: your family, friends, spirtuality/religion, self care routine, etc. are not enough to keep you afloat, consider reaching out for mental health care.

Therapy and psychiatric medication management are highly successful in treating anxiety, depression and PTSD.





- Mindfulness is the basic human ability to be fully present and nonjudgmentally aware in a given moment
- This awareness can be an attunement to our body, our breath, our sense of self, our surroundings, our senses, or our thoughts and feelings
- Mindfulness is evidencebased for reducing anxiety and depression among many other physiological and mental health related issues

Benefits of Mindfulness Practice

Stress reduction

**Decreased rumination** 

Improved focus

Cognitive flexibility

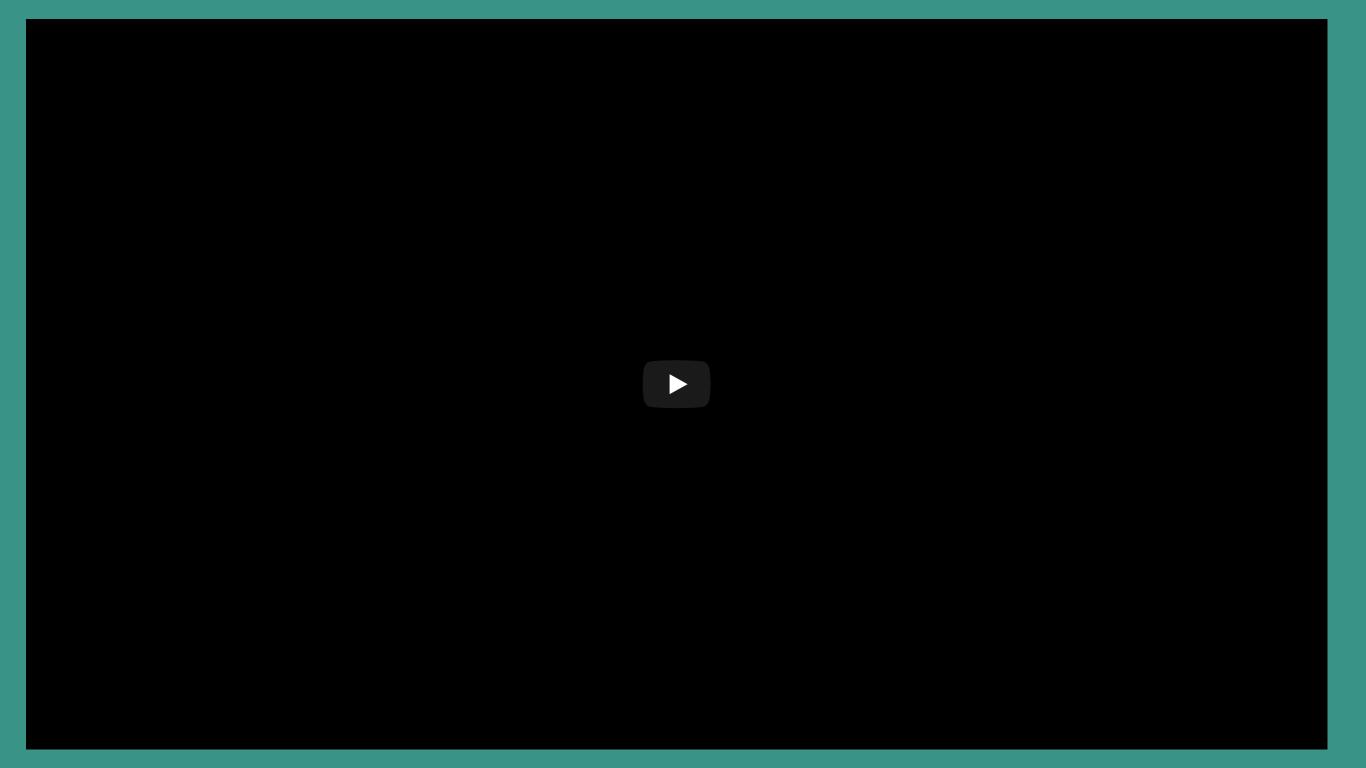
Relationship satisfaction and higher empathy

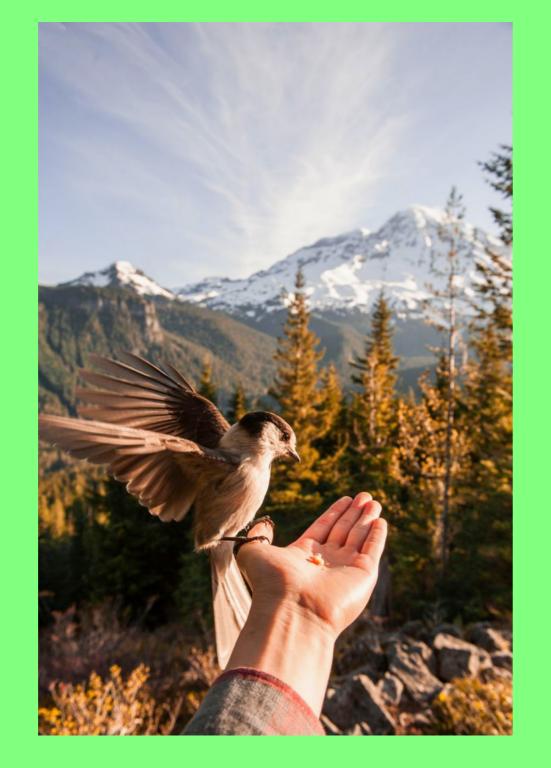
**Greater working memory** 

Decreased emotional reactivity

Regulation of nervous system/arousal







God, grant me the serenity to accept the things I cannot change, the courage to change the things I can, and the wisdom to know the difference. Reinhold Niebuhr

#### Citations

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