



## Overview

- Introduction to trauma
- Understanding the impact of trauma
- Coping mechanisms and resilience building
- Resources and seeking help



What is trauma?

#### **Definition of trauma**

#### **American Psychological Association (APA)**

Trauma is an emotional response to a terrible event like an accident, crime, natural disaster, physical or emotional abuse, neglect, experiencing or witnessing violence, death of a loved one, war, and more.

https://www.apa.org/topics/trauma

### Trauma is...

- NOT the event
- Is our emotional response to the event
- Caused by anything that is perceived as life threatening (physical, emotional, or psychological) which we are unable to protect or defend ourselves/loved ones
  - Too much
  - Too fast
  - Too soon
  - Overwhelming
  - Shocking



## Big T and Small t

## **Accidents and falls**

- Falls
- Sports injuries
- Traffic accidents
- Near-drowning experience
- Near-suffocation experience







# Medical conditions, surgery and procedures

- Serious illness of self / loved one
- Medical procedures (stitches, needles, IVs, anesthesia)
- Surgery
- Dental procedures
- Difficult pregnancy or birth complication for mother and child



## Violent acts and attacks

- War and combat, acts of terrorisms
- Sexual harassment, assault, abuse
- Insecure attachment
- Harassment
- Racism, religious prejudice, sexism, discrimination, age-ism, weight-ism
- Being shamed, criticized, bullied, picked on, oppressed
- Animal attacks (e.g. dog attack, snake bite)





## Loss

- Death of loved one or pet
- Separation, divorce, break up
- Homelessness, poverty
- Being lost
- Betrayals
- Being unwanted, adopted









## **Natural disasters**

- Fires
- Earthquakes
- Floods
- Volcanoes
- Tsunamis
- Tornadoes
- Hurricanes
- Famine
- Thunder
- Lightning







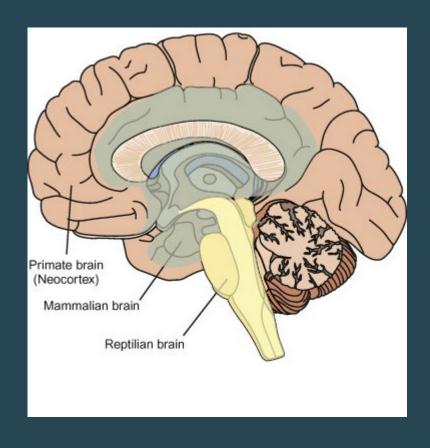
## **Daily stresses**

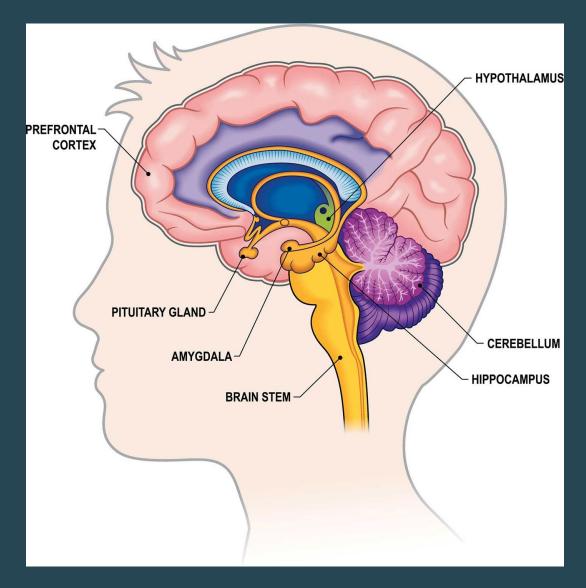
- Transition or change
- New environment, new people
- Job and school demands
- Financial instability and stress
- Joblessness
- Relationship struggles such as work relationship, friendship, romantic relationship, family relationship











#### POLYVAGAL CHART

The nervous system with a neuroception of threat: Conservation of Energy Dissociation Shame Numbness Shut-Down Depression Hopelessness DORSAL VAGAL Raised pain threshold Preparation for death (LIFE THREAT) Helplessness Trapped Hypoarousal "I CAN'T" AROUSAL INCREASES "I CAN" Panic Rage SYMPATHETIC Anger Fear (DANGER) Irritation Anxiety Hyperarousal Worry & Concern Frustration The nervous system with a neuroception of safety: Calmness in connection Curiosity/Openness Connection • Safety Compassionate Settled Oriented to the Environment Groundedness Mindful / in the present VENTRAL VAGAL (SAFETY) VVC is the beginning and end of stress response. When VVC is dominant, SNS and DVC are in transient blends which promote healthy physiological functioning @ 2020 Ruby Jo Walker, All rights reserved. Adapted by Ruby Jo Walker from: Cheryl Sanders, Anthony "Twig" Wheeler, and Steven Porges.

#### PARASYMPATHETIC NERVOUS SYSTEM

DORSAL VAGAL COMPLEX

#### Increases

Fuel storage & insulin activity • Immobilization behavior (with fear)
Endorphins that help numb and raise the pain threshold
Conservation of metabolic resources

#### Decreases

Heart Rate • Blood Pressure • Temperature • Muscle Tone Facial Expressions & Eye Contact • Depth of Breath • Social Behavior Attunement to Human Voice • Sexual Responses • Immune Response

#### SYMPATHETIC NERVOUS SYSTEM

#### Increases

Blood Pressure • Heart Rate • Fuel Availability • Adrenaline
Oxygen Circulation to Vital Organs • Blood Clotting • Pupil Size
Dilation of Bronchi • Defensive Responses

#### Deceases

Fuel Storage • Insulin Activity • Digestion • Salivation Relational Ability • Immune Response

#### PARASYMPATHETIC NERVOUS SYSTEM

VENTRAL VAGAL COMPLEX

#### Increases

Digestion • Intestinal Motility • Resistance to Infection
Immune Response • Rest and Recuperation • Health & Vitality
Circulation to non-vital organs (skin, extremities)
Oxytocin (neuromodulator involved in social bonds that allows immobility
without fear) • Ability to Relate and Connect
Movement in eyes and head turning • Prosody in voice • Breath

#### Decreases

Defensive Responses

ver 9.0



# Trauma stress-related symptoms

- Re-experiencing the traumatic event
  - Unwanted upsetting memories
  - Nightmares
  - Flashbacks
  - Intense prolonged psychological distress
- Unable to recall details of the traumatic event
  - Chronological order
  - Facts, general knowledge
  - Feeling strong emotions but without context

- Avoiding anything related to the incident
  - People
  - Places
  - Activities
  - Objects
  - Situations

#### Negative changes in cognitions

- Distorted thoughts about the cause or consequences of the trauma that lead to blaming self or others
- Changes in perception of the world believing the world is unsafe, difficulty in trusting others

#### Negative changes in moods

- A feeling of detachment or estrangement from others
- Negative emotional state (e.g., fear, horror, anger, guilt, shame)
- Difficulty in experiencing positive emotions (e.g., happiness, satisfaction, loving feelings)

- Altered arousal and reactivity
  - Irritability or angry outburst
  - Reckless or self-destructive behaviour
  - Difficulty sleeping
  - Irritability or angry outbursts
  - Problems with concentration
  - Increased startle response
  - Hypervigilance

## Trauma triggers

- Places where it took place
- Media, News: the event or similar events
- Senses
- Criminal/Civil justice proceedings
- Anniversaries
- Holidays



### Trauma and stress related disorders

- Adjustment disorder
- Acute Stress disorder (<1 month from the event)</li>
- Post-traumatic stress disorder (PTSD)
- Depressive disorders
- Anxiety disorder

#### **WHO**

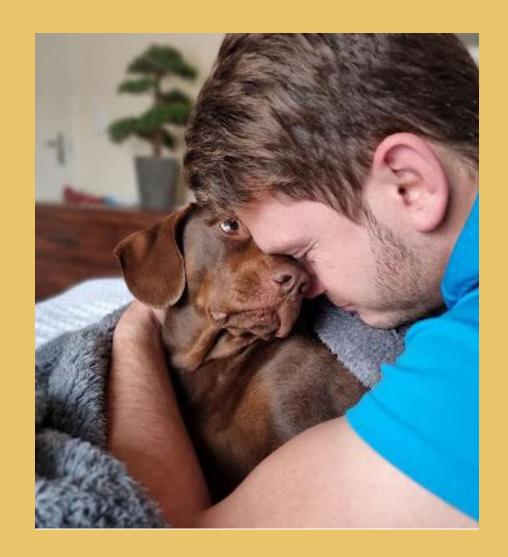
- Around 70% of people globally will experience a potentially traumatic event during their lifetime
- Only a minority (5.6%) will go on to develop Post traumatic stress disorder (PTSD)
- An estimated 3.9% of the world population has experienced PTSD at some point in their lives
- The likelihood of developing PTSD varies depending on the type of traumatic event experienced. For example, rates of PTSD are more than three times (15.3%) higher among people exposed to violent conflict or war





## How to cope with trauma-related stress?

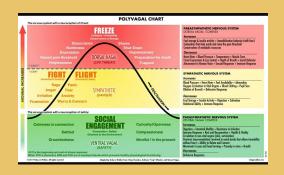
- Attention to physical needs: meals, sleep and exercise
- Reach out to friends or family
- Reach out to professional help, if deemed necessary
- Grounding exercise / Mindfulness exercise
- Counselling and Psychotherapy



## **Building resilience**

• Learn to be attune to our feelings – emotions and bodily sensations





## **Body Scanning**

- Find a comfortable position
- Do a body scanning and bring your awareness to the bodily sensations
- If you notice any areas of tension, tightness or discomfort, pause to bring your awareness in the area, allow your body to gently relax.



## Something you like in the surroundings

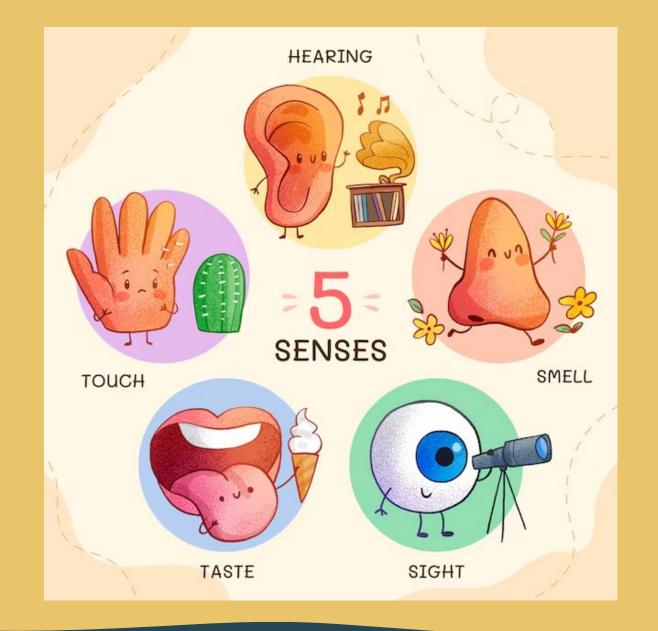
- Look around the surroundings and find 3 things you like.
- Describe them in detail
- Describe what you like about it



## 5, 4, 3, 2, 1

Look around the surrounding and name

- 5 things you can see
- 4 things you can touch
- 3 things you can hear
- 2 things you can smell
- 1 thing you can taste



## **Support for staff**

#### For Support



#### NUSHeart (EAP)

8008 528 513

(24/7 Singapore Toll-Free)

(+65) 3129 8095

(reverse charge number when calling from overseas)

or access the Intellect App:





- Install the app.
- 2. Select Join with your organisation.
- 3. Select Login with SSO
- Login with your NUSNET email address and password

Through Intellect (NUSHeart's appointed EAP provider as of 1 April 2023), NUSHeart offers confidential 24 hours access through the hotline and Intellect App, offering up to 5 free emotional support sessions to NUS staff



#### Wellbeing Check In hwb@nus.edu.sg

A free, confidential service conducted by NUS' Wellbeing Specialist Partners, available 8.30-6pm (Mon-Thu),

8.30-5.30pm (Fri)



#### Lifeline NUS 6516 7777

24 hours psychological support for students and staff

#### For Emergencies



#### Campus Emergency & Security

6874 1616 (KR) 6516 3636 (BTC) 6516 5568 / 6222 5568 (OC)

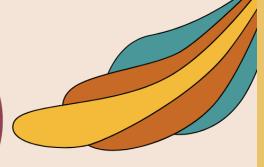
Available 24 hours for immediate assistance during lifethreatening psychological emergencies and other emergencies

## **Support for student**



Faculty Student Support Managers







NUS Student Support Network







You are not alone