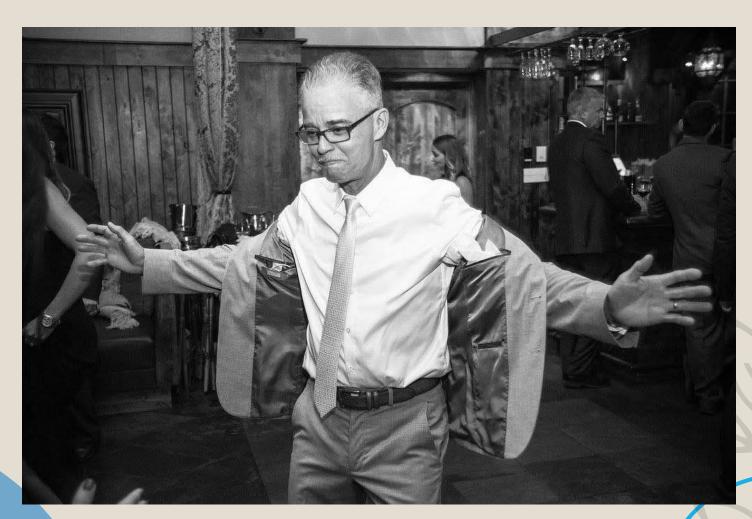


- 1. Saying a stroke is a life changing event is an understatement!
- 2. It is estimated that 7.5 out of 10 stroke survivors experience some degree of depression.
  - The survivor feels they have NO purpose.
  - They feel like a burden to their family and society.
- 3. Our task force goal is to establish an automatic approval for <u>out-patient</u> mental health check-up and care.

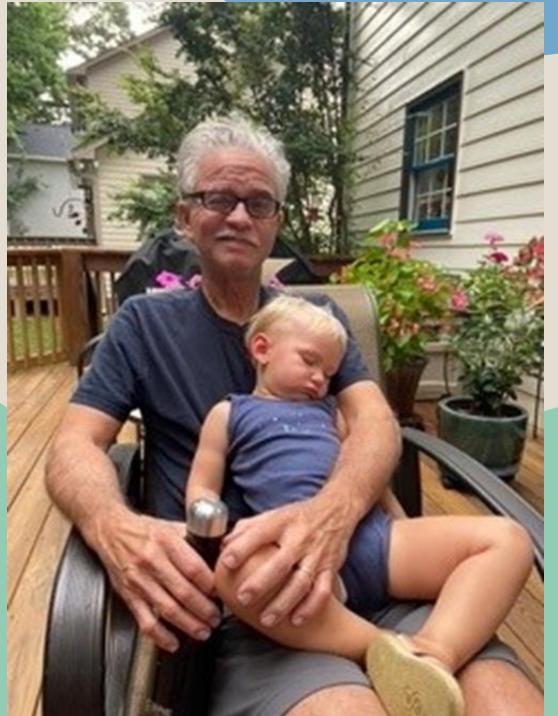
#### **Our Task Force:**

- Pamela Hung Loving wife of late Stroke Survivor, Miguel Hung
- Julie Webb Neurosciences Program Manager at Duke Regional Hospital and BELIEVE SRF Board Member
- Kimberly Baradei Speech/Language Pathologist, Certified Brain Injury Specialist, owner of Elevate Speech Services, and BELIEVE SRF Board Member
- Jennie Lacy Doctor of Clinical Psychology at Durham DBT and Stroke Survivor
- Michael Erwin BELIEVE Stroke Recovery Foundation founder and Stroke Survivor

### PAMELA HUNG LOVING WIFE







One week post stroke



One month before disappearance

## State of the State: Stroke and Mental Health

JULIE WEBB NEUROSCIENCES PROGRAM MANAGER DUKE REGIONAL HOSPITAL



#### Research Shows Need for:

- Consistency
- Developing Pathways
- Further research to focus on mood screening instruments, aphasic stroke survivors' lived experiences, and the clinical expertise of those providing psychological support

#### **Depression Screening**

- Varies among facilities, health systems, outpatient settings
- Focuses on depression and anxiety
- Medicare covers one depression screening per year and should be completed in a primary care setting
  - Most commonly used tool is Patient Health Questionnaire (PHQ)

#### **AHA Recommendations**

- "Administration of a structured depression inventory is recommended to routinely screen for poststroke depression."
- Numerous poststroke depression screening tools
- Further studies are needed to determine optimal timing, setting, and follow-up for screening

### Stroke Mental Health Screening and Services

KIMBERLY BARADEI, MA, CCC-SLP, CBIS
Owner of ELEVATE SPEECH SERVICES
Board Member, BELIEVE STROKE RECOVERY FOUNDATION

JENNIE LACY DURHAM DBT

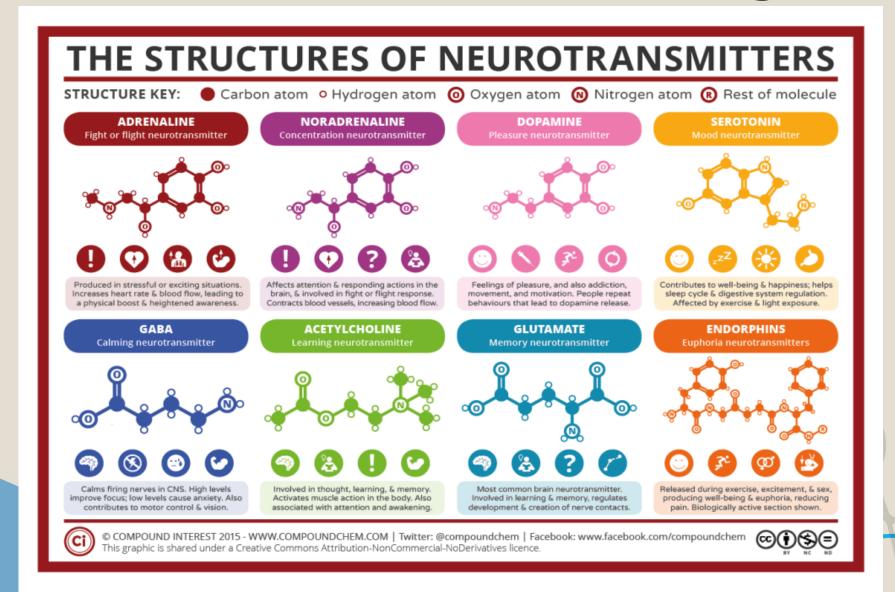
# Stroke Specific Factors That Influence Mental Health & Access To It



# Changes in Independence Activities of Daily Living (ADL's)



#### Neuro-chemical Changes



#### **Communication Deficits**

#### **Aphasia**

#### LEFT BRAIN:

Anger/Frustration
Verbal communication

Immune Activation

Memory

Detail-Oriented

Impulses

Gas Pedal

Fine Motor Skills

Pattern/Repetition

Short-Term Focus

#### **RIGHT BRAIN:**

**Emotional Regulation** Sadness/Remorse Nonverbal cues Gross Motor Skills Immune Suppression Go-with-the-flow Big Picture Behavior control Impulse regulation Long-term focus

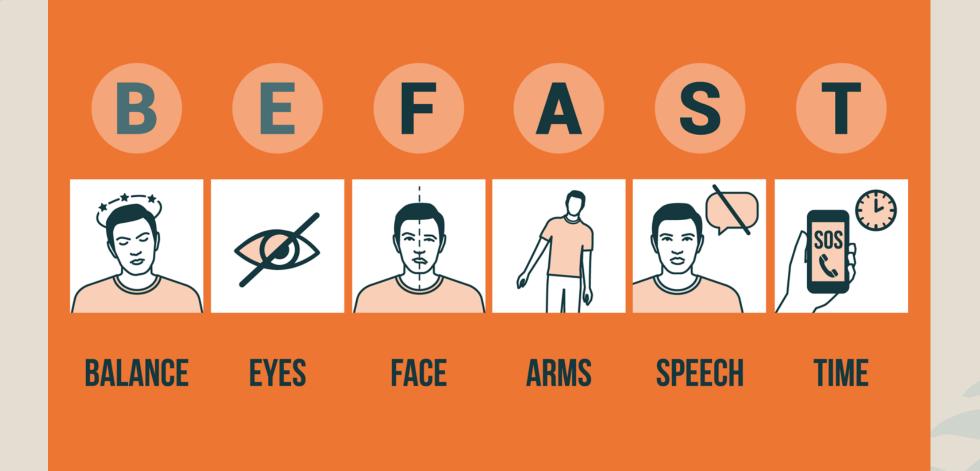
#### **RHD**

#### **Education & Identification**

"The responsibility to see suffering should never fall only on the one who suffers."

— Anonymous





#### SIGECAPS mnemonic

If you don't have access to a depression screening tool, use the SIGECAPS mnemonic as part of your assessment.

Sleep: Changes in sleep pattern

Interest: Loss of interest in activities

Guilt: Feelings of guilt or increased worry

Energy: Changes in energy

Concentration: Changes in concentration

Appetite Changes in appetite

Psychomotor Psychomotor disturbances

Suicide Suicidal ideation

#### Timeline for Identification

#### **During Hospitalization**

#### Pros:

- Early access to information for survivors & family
- Sudden onset of post-stroke depression
- Survivors may have limited access to aftercare

#### Cons:

- Too early for emotional processing.
- May not carryover due to stress/processing/memory deficits

#### Post Hospitalization

#### Pros:

- Depression may only start after discharge
- Improved processing of emotions after 'new routine' established
- Multiple professionals involved in after-care (more eyes)

#### Cons:

- Limited access to follow-ups (transportation/financial)
- Waitlists/Scheduling delays for medical professionals

### Community Resources



### Depression Screenings

```
S leep |
I nterest
G uilt
E nergy 1
C oncentration \
A ppetite 1
P sychomotor
S uicide
```

- Patient Health Questionnaire (PHQ)
  - https://www.apa.org/depressionguideline/patient-health-questionnaire.pdf
- Beck Depression Inventory II (BDI-II)
  - https://naviauxlab.ucsd.edu/wpcontent/uploads/2020/09/BDI21.pdf
- Geriatric Depression Scale (GDS)
  - https://hign.org/sites/default/files/2020-06/Try\_This\_General\_Assessment\_4.pdf

#### Finding Mental Health Providers



- https://mhanational.org/resources/choosing-a-provider/
- https://mhanational.org/resources/finding-therapy/
- https://findtreatment.gov/locator
- https://www.psychologytoday.com/us/therapists
- https://www.theravive.com/
- https://www.findapsychologist.org/
- https://abpsi.org/
- https://biausa.org/find-bia

#### Social Connection - Support Groups

Social connection is key to well-being and overall life satisfaction. Social connection is the size and diversity of one's social network and roles, the functions these relationships serve, and their positive or negative qualities.

- https://www.startwithyourheart.com/stroke-advisorycouncil/post-stroke-care/ (Statewide List of Support Groups)
- https://www.bianc.net/wpcontent/uploads/2020/05/BrainInjurySupportGroups.pdf
- https://www.bianc.net/wpcontent/uploads/2023/07/support-group-list.pdf
- https://www.facebook.com/TriangleStrokeSupportNetwork/
- https://www.aphasiaproject.org/
- https://www.stroke.org/en/stroke-support-group-finder

### Alternative Therapies

- Music exposure post acute stroke
  - https://pubmed.ncbi.nlm.nih.gov/18287122/#:~:text=In%20the%20acute%
     20recovery%20phase,underlying%20these%20effects%20are%20discussed
  - Spotify Playlist Video from Novant Health New Hanover Regional Medical Center <a href="https://vimeo.com/novanthealth/review/1082583895/63bd5138b2">https://vimeo.com/novanthealth/review/1082583895/63bd5138b2</a>
- Acupuncture
  - https://pmc.ncbi.nlm.nih.gov/articles/PMC10161596/
- Movement based therapy
  - https://pmc.ncbi.nlm.nih.gov/articles/PMC4591069/#:~:text=Thirteen%20st udies%20(n=1022),sub%2Dacute%20and%20chronic%20stroke
- Transcranial direct current stimulation (tDCS)
  - https://pubmed.ncbi.nlm.nih.gov/37283525/



### SPOTIFY

MAY IS STROKE & MENTAL HEALTH AWARENESS MONTH

#### **PLAYLIST**



SEARCH, LISTEN & SAVE

MENTAL HEALTH MATTERS NHNHRMC

Want to add a song? Email the title to erika.yourkiewicz@novanthealth.org

#### From Novant Health New Hanover Regional Medical Center

- 1. Download the Spotify App
- 2. Search/magnifying glass (bottom center)
- 3. Type in "Mental Health Matters NHNHRMC" or press the camera icon and hover over below image.
- 4. Save the playlist and enjoy!



#### Suicide Prevention

National Strategy for Suicide Prevention

https://www.hhs.gov/
sites/default/files/nns
p-federal-actionplan.pdf

If you or someone you know is struggling or in crisis, confidential, free, 24/7/365 help is available.

Call or text 988 or Chat <u>988lifeline.org</u> Specialized Services Available:

- Veterans: Text to 838255
- Spanish Text "AYUDA" to 988
- LGBTQI+: Text "PRIDE" to 988

### Jennie L. Lacy, PhD

- Licensed Psychologist
- PhD in Clinical Psychology from Dept.
   of Psychology and Neuroscience at Duke
- Works with individuals who struggle with suicidality and self harm
- Works with couples and families around supporting their loved ones
- Advanced training on the structure and function of the brain during and after brain tumor and on neurobiological changes

#### On December 29, 2021, I also became a stroke survivor

- No risk factors
- Vertebral artery dissection of unknown origin
- Large clot shattered and cut off blood flow to 7 different parts of my brain
- No help for 8 hours



### Hospital

- In the hospital for one month
- Rehab 4 hours per day
- Dedicated and determined

#### Discharge: What Now?

- Still needed 24-hour care
- Skilled Nursing Facility debate
- Home care for 5 months



### At "Home:" When Things Got Real

- Lost my beloved 3<sup>rd</sup> floor apartment
- Lost myself physically, emotionally, spiritually
- Lost my savings
- Had to learn to walk, talk and do basic self-care again

#### **Outpatient Rehab**

- o Insurance, financial stress, huge debt
- Inconsistent philosophies, priorities, temperaments across rehabs
- Chastised for mental health challenges/bad days
- Spoken to like I was a child or had cognitive deficits

### Living Alone: When Things Got Hard

- Back to work part time
- Friends and family went back to life as usual
- Rehab 2x week
- Juggling everything alone
- Relearning everything: cooking, cleaning, paying bills

### My Own Suicidality

- Thought about suicide daily for a while even on medication and in therapy
- People say well-meaning but invalidating things:
  - "Aren't you glad to be alive?"
  - · "But you can walk now."
  - "Just be positive."

## l'm Still Me, But Different: Learning Acceptance

- I am still a psychologist
- I joined Facebook groups and online stroke support groups to learn others' experiences
- My motto became: "If it's to be, it's up to me."
- I practiced and preached radical acceptance
- o I couldn't unstroke myself, so now what?
- Realized suicide was not an option for me
- Began trauma therapy

#### What I've Learned

- Every stroke is truly different
- Every stroke is a traumatic event
- Caregivers may also have trauma from the stroke
- There are ways in which trauma shows up because you have no control over it, and you can't stop it
  - Flashbacks
  - Hypervigilance
  - Easy to startle
  - Quick to react emotionally

### Trauma Therapy

- There are multiple types of trauma therapy. Some Examples:
- EMDR (Eye Movement Desensitization and Reprocessing)
- PE (Prolonged Exposure)
- SET (Somatic Experiencing Therapy)

#### What Can We All Learn?

- Outpatient setting: assessment, understanding, and intervention
- Ask about feelings: depressed, unsafe, or wanted to hurt or kill themselves since last session
- o If we normalize it, we can name it
  - "...anything that is mentionable can be more manageable"

    Mr. Rogers
- Significant data and consensus in scientific community, invalidation leads to diminished mental health, and increased depression, self injury, and suicidality.
- Stroke survivors face chronic invalidation

#### What Can We Ask?

- Can you tell me your mood?
- What have been the highs and lows since last session?
- Have you been feeling sad or depressed?
- How's your sleep? Have you been having any nightmares? Have you been having memories of the stroke event, or any recurrent thoughts that don't seem to go away?
- Have you had any thoughts of hurting yourself in any way?
- Have you had any thought of killing yourself?
- Have you made any plans to kill yourself or thought about how you might do that?

# WE OWE IT TO SURVIVORS, PROVIDERS, AND CAREGIVERS TO LEARN HOW TO TALK ABOUT THE WHOLE PROCESS, NOT JUST THE COMFORTABLE PARTS.

#### Thank You

#### Call to Action! - Time to share

What are you seeing/doing/using in your work/facilities/communities that has been successful?

What are some identified areas that need improvement?

Where do we go from here?

