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- Board Certified Nurse Practitioner Veterans Health Administration
- Senior Faculty Fitzgerald Health Education Associates
- Veterans Administration and Department of Defense Clinical Practice Guidelines for Stroke Rehabilitation Workgroup
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- National VA APRN Council
- Advisory board for Carelinx by Sharecare
- Advisory board for Purdue University Global
- Recognized for work in stroke from the floor of the U.S. Senate







763 stroke patients 28 acute care hospitals across the U.S.

35% NO PHYSICAL THERAPY

5

5



Stroke care challenges

763 stroke patients 28 acute care hospitals across the U.S.

48% NO OCCUPATIONAL THERAPY

6



763 stroke patients 28 acute care hospitals across the U.S.

61% NO SPEECH THERAPY

7



Stroke care challenges

13,550 Medicare patient records

>30%
NO POST-ACUTE
REHABILITATION
IN FIRST 30 DAYS

8



24,413 Medicare patient records:

59%
DID NOT SEE PT OR OT
IN FIRST 30 DAYS
AFTER DISCHARGE

9

9



Stroke care challenges



of stroke patients do not recover the necessary upper extremity function for usual activities by 6 months when motor function plateaus

10





of stroke patients need additional inpatient care after acute hospital stay to maximize recovery and return home



Stroke care challenges

Health disparities among stroke patients

- Increased morbidity and mortality
- Increased risk of long-term institutionalization

Top reasons for readmission

- Recurrent stroke (65% within 12 months)
- Falls
- Aspiration and Pneumonia
- **Urinary Tract Infections**



Declined function among stroke patients

- Poor balance
- Visual deficits and disturbances
- Swallowing difficulties
- Incontinence
- Mobility issues
- Cognitive impairment (40%)
- Psychological/behavioral disorders

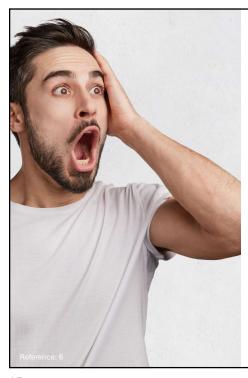


Stroke care challenges

Factors related to poor discharge planning

- Lack of collaboration among team
- Time constraints
- Lack of beds and resources
- Lack of readiness of patients and family to actively participate in recovery





Shorter average length of stay

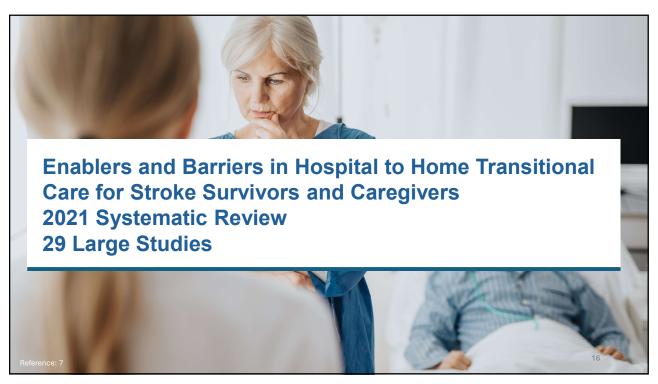
- Reduces hospital costs
- Increases capacity optimization
- Improves hospital efficiency

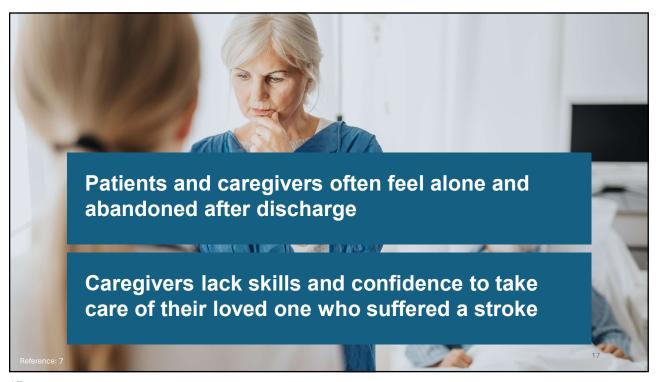
Longer average length of stay

- Reduces readmission rates
- Reduces mortality rates
- Reduces complications
- Improves functional outcomes

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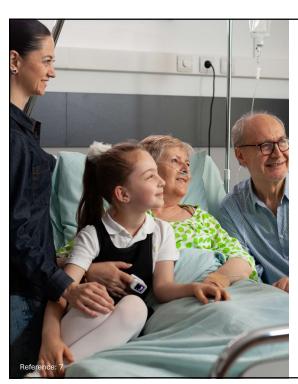
Factors enabling recovery

Three key enabling factors

- Partnership approach
- Being prepared to navigate health and social care services
- Developing self-management skills and capabilities

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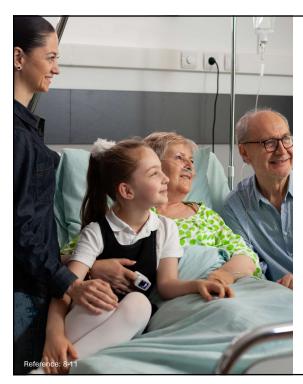
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Factors enabling recovery

Partnership approach to care

- Engaging patient and family in goal setting and decision-making
- Family centered approach
- Skills practice before discharge
 - Build confidence
 - Confirm skill attainment
 - Identify questions, concerns and issues before going home



Factors enabling recovery

Partnership approach to care

- Individualized information
 - Verbal explanation
 - Written material
- Promote dignity and respect
- Compassion and Sensitivity
- The three A's to care
 - Approachable
 - Accessible
 - Available

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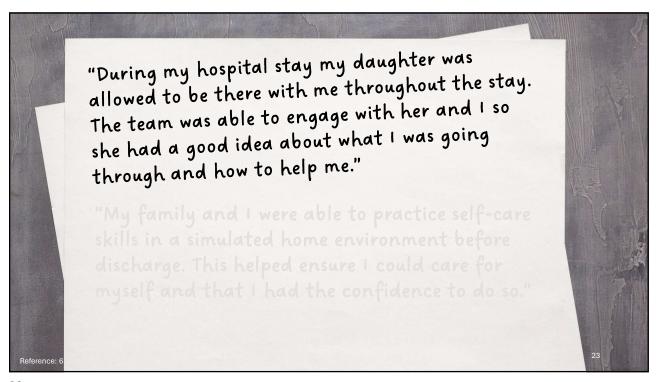


Factors enabling recovery

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"During my hospital stay my daughter was allowed to be there with me throughout the stay. The team was able to engage with her and I so she had a good idea about what I was going through and how to help me."

"My family and I were able to practice self-care skills in a simulated home environment before discharge. This helped ensure I could care for myself and that I had the confidence to do so."

"Within the first week we had the choice of a family conference, which we elected to have. And we got all the family, and they all sat down with all the staff that were involved with Catherine's care and rehab. They explained what they did and what their plans were.

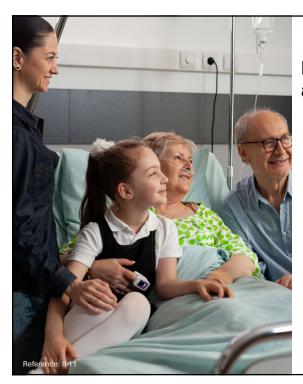
That type of planning on behalf of the hospital is very good to give you an idea of what's going to

Reference

happen"

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"Instead of just handing me information, she sat down and went through each point even though I was so tired. I'm going to remember it so much more. When I need to, I'll know in the sheets that she gave me where to go to look for the information. She also gave me contacts to call if I have questions and she even called me to check in with me."



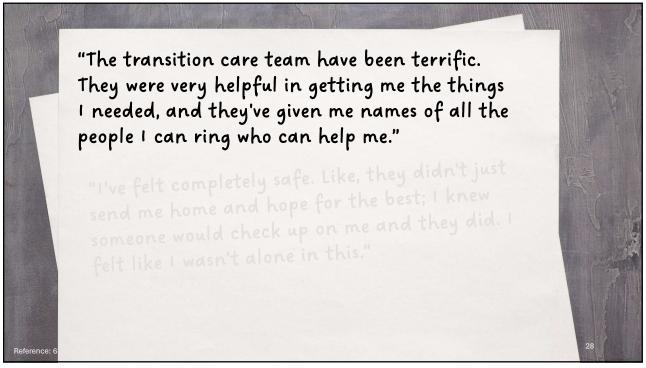
Factors enabling recovery

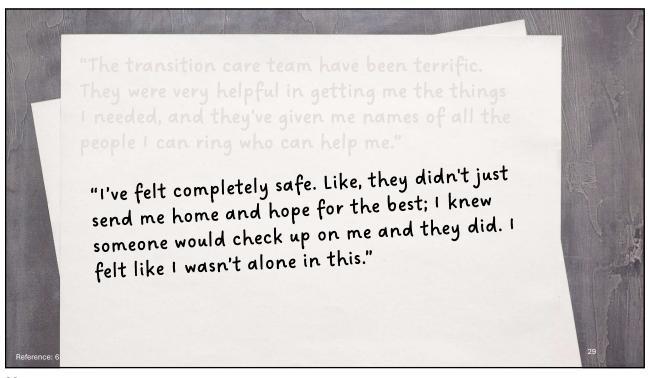
Being prepared to navigate health and social care services

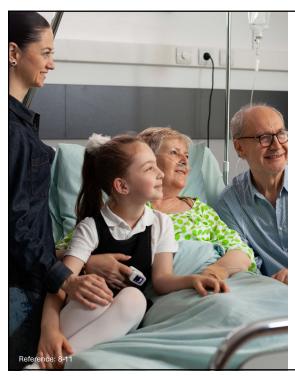
- Competency and confidence built by the healthcare team
- Sense of safety reinforced with continuity of post-discharge follow-up services
- Maintain recovery momentum
 - Discharge services
 - Community rehabilitation
 - Social care services

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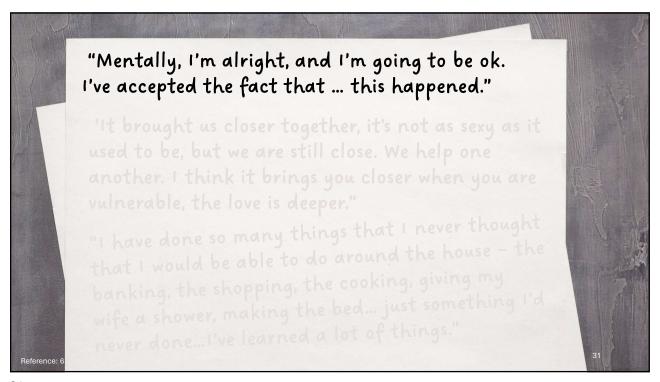


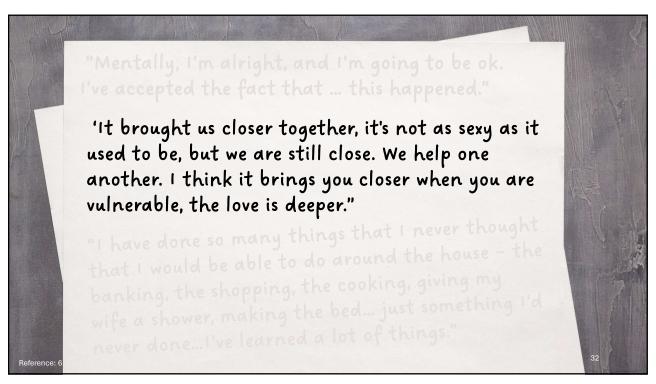
Factors enabling recovery

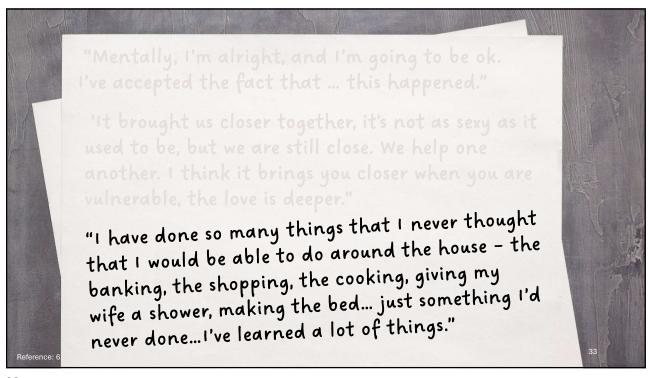
Developing self-management skills

- Positive thoughts
 - Realize condition was more manageable than thought
- Positive self-appraisal of functional improvement
 - Develop confidence
 - Realistic goals and expectations
 - Recovery takes time
 - Accepting reality of stroke
- Self-efficacy
 - Built on mastery over caregiving and self-management activities

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Barriers to recovery

Three barriers

- Gaps in discharge planning
- Factors affecting self-care
- Inability to cope with challenges

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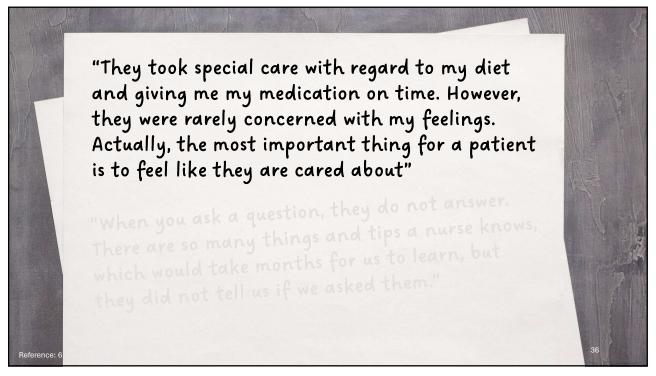
Barriers to recovery

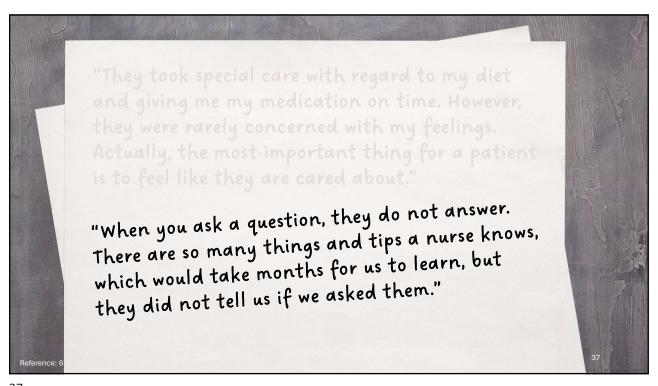
Gaps in discharge planning

- Discrepancies in discharge priorities between patients, families and health professionals
- Lack of compassion from clinicians
- Care more about physical needs than emotional needs
- Discharged home with unanswered questions and concerns
- Lack of hands-on training in daily personal care activities

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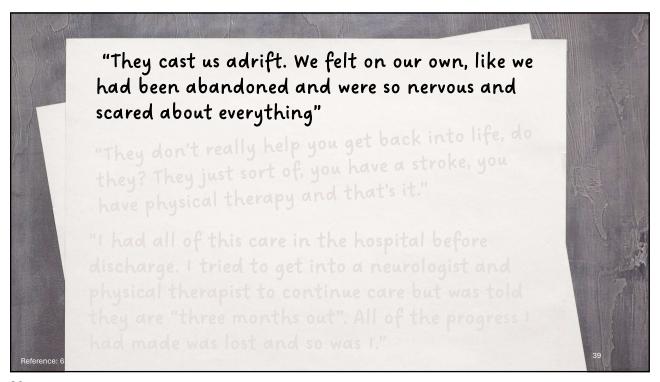


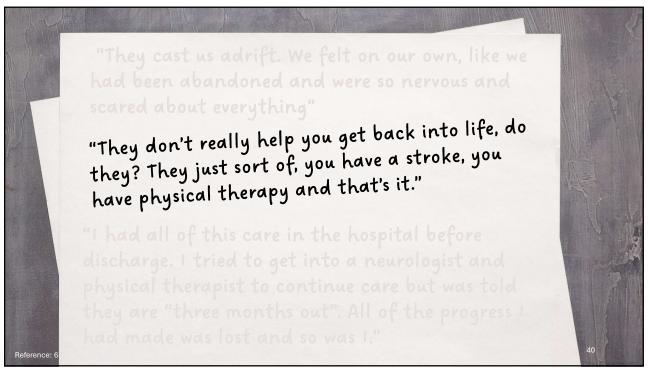
Barriers to recovery

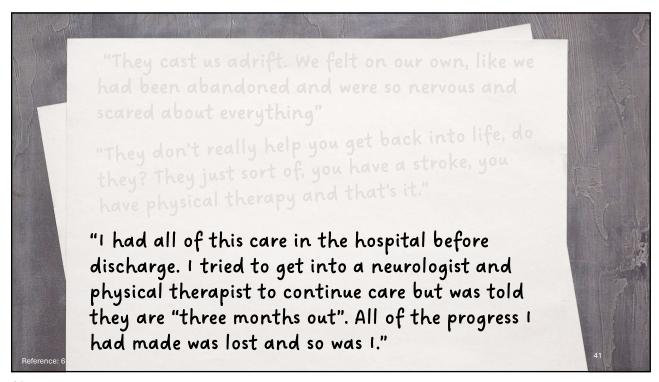
Factors affecting self-care

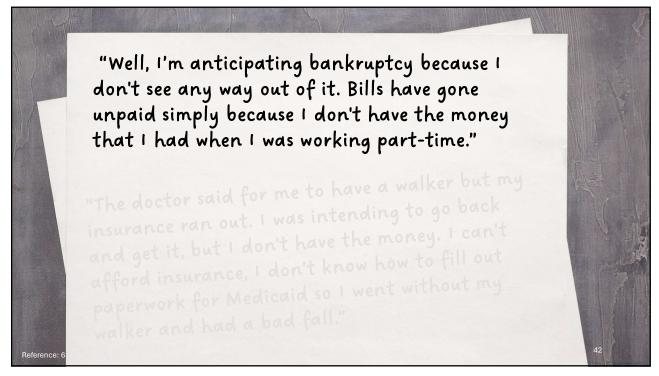
- Home is not the hospital
- Rely on caregivers to maintain activities of daily living
- Lack of caregiver training
- Inadequate community support
- Lack of follow-up jeopardized continued rehabilitation
- Long wait times for outpatient care
- Caregivers being taken for granted
- Financial constraints

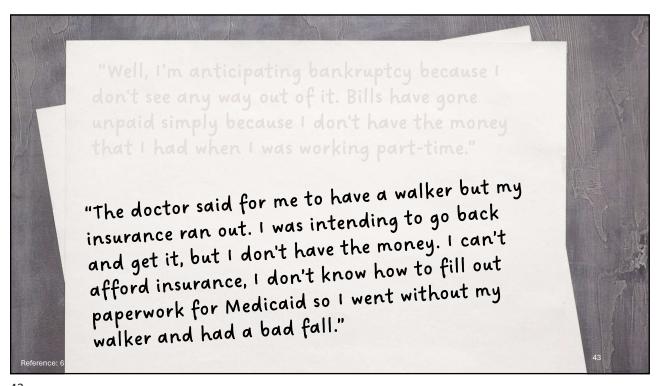
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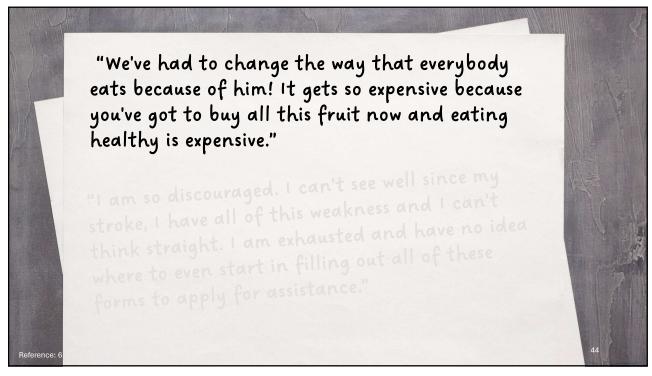


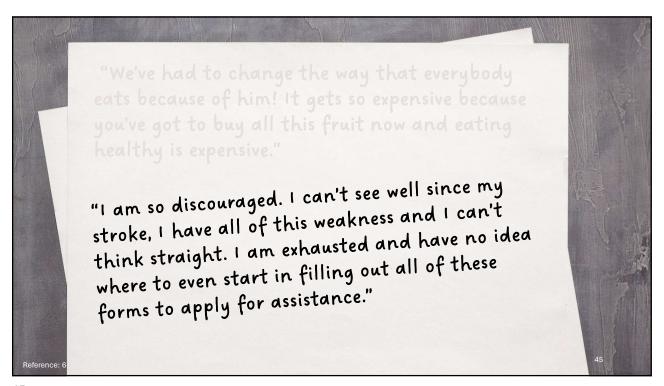












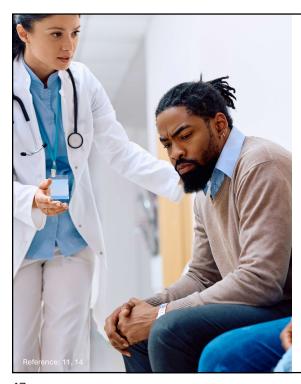


Barriers to recovery

Inability to cope with challenges

- Acceptance of poststroke physical, cognitive and emotional impairments impacts recovery
- Perceive themselves as a stranger
- Difficulties adjusting to disability
- See themselves as a "burden"
- Social disengagement and isolation
- Caregivers struggle to adapt to role
- Caregivers increased responsibilities
- Caregiver isolation and burn-out

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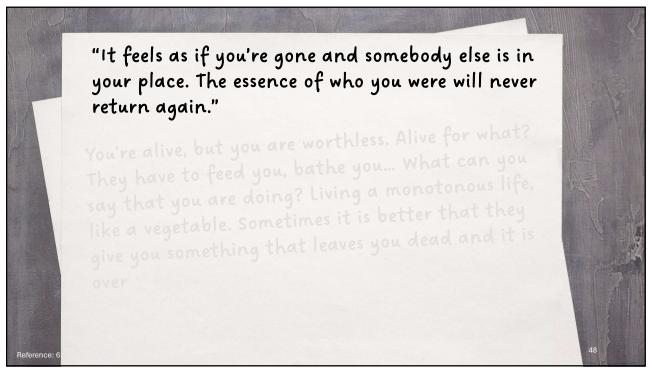
Barriers to recovery

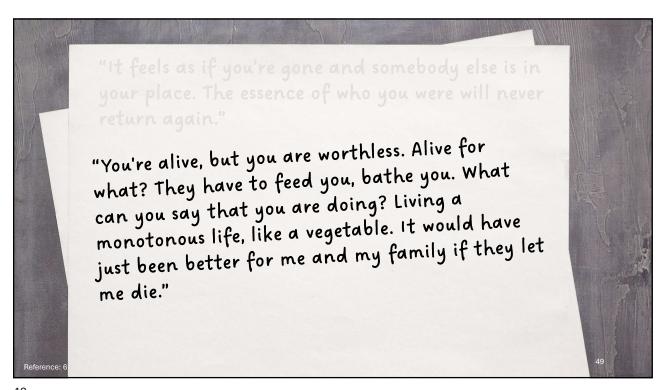
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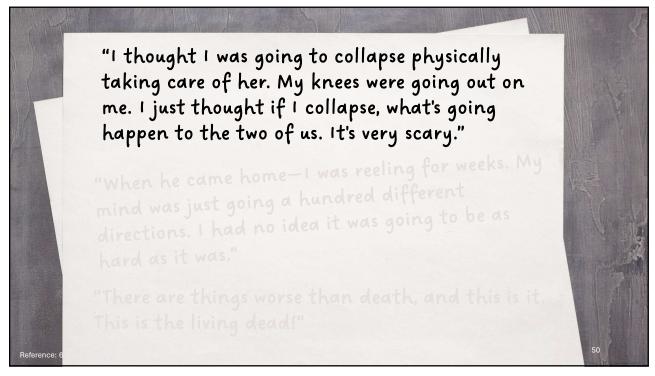
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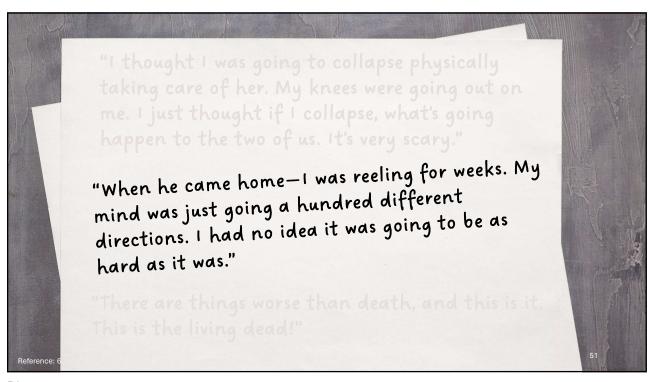
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"I thought I was going to collapse physically taking care of her. My knees were going out on me. I just thought if I collapse, what's going happen to the two of us. It's very scary."

"When he came home—I was reeling for weeks. My mind was just going a hundred different directions. I had no idea it was going to be as hard as it was."

"There are things worse than death, and this is it. This is the living dead!"



Barriers to recovery

Impact on family members of loved ones who die from stroke

- Severe anguish and grief
- At risk for prolonged grief disorder
- Social disengagement and isolation
- Reset of social norms
- Financial insecurity
- Limited support and resources
- Risk for suicidal ideology
 - Older adult males have highest rate of completed suicide

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"The day you left is still burned into my heart A heart filled with anguish, shattered dreams, pain and void of joy.

I sit here in the silence of the night, wishing, hoping, desperately longing for your voice, any voice to tell me that it will be all right. What I wouldn't do to hear a voice say "I love you", "I need you" or even "How was your day?" Phrases said so often they became routine when you were here, now such precious memories fading far too quickly into the past.

Nothing but silence and maddening stillness remain. Our life, like distant memories is plastered across these lonely walls that surround me in silence.

Who do I run to, look for and share my life with now that you're gone? Of course, there is God, and my faith remains strong but how does God become tangible I ask? How do I rest my head in his arms listening to him tell me that things will work out?

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When was the last time someone touched me, not in a sensual way but in any way? Like a leper I have become. No doubt God would touch me and give me a hug but he has no hands.

Well intentioned friends always say "we are here if you need anything". Of course I need something, now that you're gone I need everything.

Are those friends really here or are they there? They're in their own lives with their own priorities, challenges, needs and wants with little time or patience for the widowed. No friend could replace you nor would I want or expect them to.

Every breath I take, every moment that passes by I see my life as it was and now as it is both fading further and further into obscurity, fading into these walls that have become my new lover, soul mate and friend.

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No one to share my life nor my love with but these damn walls that surround me.

My mundane and meaningless life without you repeats itself day after day, just the walls and 1.

One day after the slog of my life is finally finished - I shall die as I have lived after you left - alone. After my last, my very last and final breath only these horrible, lonely, maddening, dark and dreary walls will remain."



Expectations of care

- Ensure skills are set before home
- Education starts when stroke strikes
- Compassionate and holistic care
- Central point of contact is vital
- Regular "Check-ins"
- Home safety evaluation before D/C
- Services and benefits assistance
- Timely following with therapy, neurology and primary care services
- Community support groups
- Mental health and social services

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Impact on clinical practice

- Protocols and clinical guidelines need to be generated and utilized
- Nurses, therapists and stroke coordinators ideal to lead programs
- Stroke coordinators are more than number crunchers to maintain certification
- Hospitals and health systems need to invest financial and tangible resources into transition programs
- Utilize telehealth for equitable care in rural and remote areas

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Element	Inpatient Rehab Facility	Long-term Acute Care Hospital	Skilled Nursing Facility	Home Care
Description	Gold Standard of Care Most intensive rehab 25% of Stroke Patients	Focus on Medical and Nursing Care and Rehab	Skilled Nursing services Stay longer than 32 days	Rehab and Nursing services at home MD, DO, NP orders
Ideal patients	Significant neurological deficits Moderate medical management needs Medically stable Strong enough to participate in 3 hours or more of therapy 5 days/wk Average LOS: 2 weeks 70% of patients are well enough to go home	Complex health needs Ventilators, wounds, dialysis, IV therapy, tracheostomy care Rehab based on patient tolerance	Need rehab but are not able to complete 3 hours/day 5 days per week Medical and nursing needs can be met with medical/nursing resources	Cannot leave home readily due to physica or mental incapacity or lack of transportation

		Types of stroke aftercare facilities		
Element	Inpatient Rehab Facility	Long-term Acute Care Hospital	Skilled Nursing Facility	Home Care
Team	Physiatrist (Team lead) Rehabilitation Nurse Social Worker Physical Therapist Occupational Therapist Speech Therapist Mental Health Provider	Internist (Team lead) Physiatrist (Consult) Registered Nurses Social Worker Physical Therapist Occupation Therapist Speech Therapist	Physician or Nurse Practitioner as Medical Director Registered Nurses Licensed Practical Nurses Certified Nursing Assistants PT, OT, ST	MD, DO. NP refers and writes ongoing orders Registered Nurse Licensed Practical Nurse Certified Nursing Assistant PT, OT, ST
Focus	Medical management, Bowel/bladder function, Skin integrity, Nutrition, Mobility and self care, Cognition, Pain and spasticity, Adjustment, Orthotics, Discharge, Family Support/Education	Medical management, Cognition and communication, Skin integrity, Nutrition, Wound care, Pain and Spasticity, DME Orthotics, Funding for care needs, Family Support/Education	Skin integrity, Nutrition, Medication administration, Pain and Spasticity, Bowel and Bladder, Mental health, Discharge planning, DME Orthotics, Family Support/Education	Skin Integrity, Bowel and Bladder, Medication administration, Mobility and self-care, Pain and Spasticity, Nutrition, DME orthotics, Family Support/Education

			Types of stroke a	aftercare facilitie
Element	Inpatient Rehab Facility	Long-term Acute Care Hospital	Skilled Nursing Facility	Home Care
Regulatory requirements	Medicare required physiatrist approve each patient for IRF admission Patient complete at least 3 hours per day, 5 days per week of PT, OT, Speech therapy, Orthotic and prosthetic services Physiatrist must visit patient 3 times per week to provider treatment and ensure progression	Medicare LOS must be greater than 25 days on average 3-day intensive care unit LOS or 96 hours of mechanical ventilation on a respirator No requirement for rehab hours at this level	MD, DO or NP can be medical director RN required to be onsite 8 hours a day, 7 days per week Medical director visit every 30 days for 1st 3 months then every 60 days 3-day qualifying hospital stay within 30 preceding days Daily skilled services	Certified as homebound PT, OT, ST 1-3 times per week RN visits 1-7 times per week for woun care, medication management, bowe and bladder function Medicare: Maximum 60 days for homecare Usually few weeks after hospitalization



Skilled nursing facility: Outpatient Rehabilitation

- Services provided in outpatient facility
- Wide variety of rehab services
- Physical, Occupation and Speech Therapy
- Driving evaluation
- Orthotic and adaptive technology
- Wheelchair clinic
- Vocational rehab
- Electrical stimulation
- Robotic and virtual reality therapy
- Therapy frequency 1-3 times per week

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Skilled nursing facility: Outpatient Rehabilitation

- Ideal patients
 - Able to be transported to clinic 1-3 times per week
 - Benefit from focus on higher level of mobility and instrumental ADL skills such as driving not addressed in home therapy
- Regulatory requirements
 - Cap on Medicare expenditures for PT, OT, ST each year
 - Medicare pays 80% of the cost of therapies up to \$2,330 year

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Skilled nursing facility: Outpatient Rehabilitation

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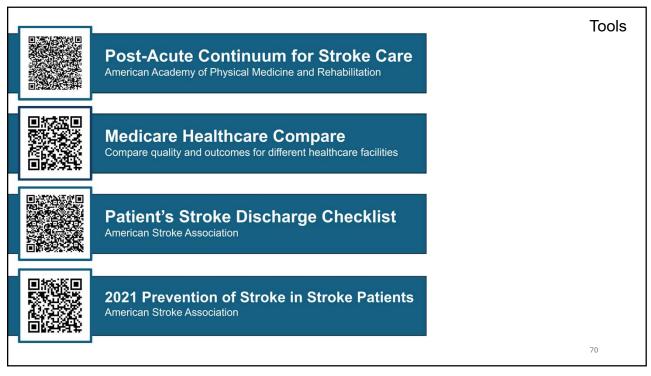


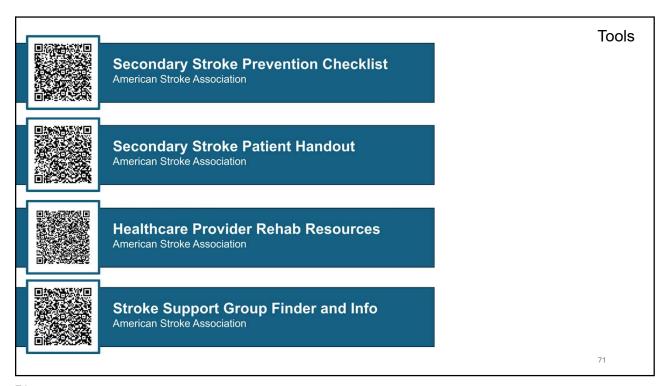
/A/DOD CLINICAL PRACTICE GUIDELINES ent of Stroke Rehabilitation Sidebar 1: Essential Guidelines for the Medical Management of Stroke Sidebar 3: Stroke Education Topics 2019 Update to the 2018 AHA/ASA Guidelines for the Early Management of Stroke signs and symptoms - BE FAST Patients with Acute Ischemic Stroke Balance – Sudden difficulty with balance or coordination, dizziness 2021 AHA/ASA Guidelines for the Prevention of Stroke in Patients with Hospitalized natient has been Stroke and Transient Ischemic Attack identified as having a stroke (see Sidebar 1) Eyes - Sudden blurred, double, or loss of vision in one or both eyes 2022 AHA/ASA Guidelines for the Management of Spontaneous Face – Sudden facial droop/weakness on one side of the face Intracerebral Hemorrhage Arm - Sudden weakness in one arm Assess the patient, including screening for preventable adverse events by appropriate staff including PM&R and Speech - Slurred speech, unable to speak, or difficulty understanding Sidebar 2: Assessment of Impairments and Disabilities Assessment of impairments Assessment of barriers to Time - If any of these symptoms occur, call 911. Time is critical for neurology, and educate the patient and Auditory/hearing

Bowel and bladder participation in therapy stroke. family on stroke (see Sidebars 2, 3, and 5) Common causes of stroke Cognitive impairment Cognition Communication impairment Ischemic stroke (80-90% of all strokes) Continue or initiate mental health · Heart conditions, such as atrial fibrillation Communication Fatique and sleep reatment including psychotherapy and/or medication (e.g., SSRI, Does the patient have Emotion tolerance/aerobic Medical conditions Atherosclerosis of the large arteries in the neck and brain Mental health (e.g., depression) capacity · Small vessel disease SNRI) Inattention/neglect Motor/mobility/balance Motivation \bullet ~30% of ischemic strokes are not found to have a clear cause No 🎜 Pain (cryptogenic) Does patient have functional Swallowing and nutrition Tactile/touch/somatosensory Social determinants of health emorrhagic stroke (10-20% of all strokes) impairments and need appropriate for (e.g., financial, employment, · High blood pressure (hypertension) rehabilitation interventions? discharge home? Vision and formal visual fields transportation) Vascular malformations (aneurysm, cavernous malformation, fistula) No J No Assessment of activity and · Amyloid angiopathy Vestibular Discharge patient from rehabilitation and arrange for primary care, Assessment of support system function Determine appropriate setting for rehabilitation in collaboration with case management and PM&R: Risk factors for stroke Other Tonics ADLs (e.g., feeding, dressing, Family, caregivers, community High blood pressure Nutrition eurology, and specialty care follow up, as needed grooming) and IADLs (e.g., finances, shopping) Military leadership/structure, if (hypertension)

High blood sugar (diabetes · Physical activity and falls applicable prevention Driving
 Meaningful roles (e.g., parent, Continued hospitalization Continuum of care options/follow-up after discharge mellitus) Acute inpatient rehabilitation Are functional impairments identified after discharge? High cholesterol (hyperlipidemia) spouse) Return to work/duty or school Innatient rehabilitation Heart conditions (atrial fibrillation, heart failure) Outpatient rehabilitation Skilled nursing facility No 👃 Sexual function and intimacy · Long-term acute care facility Tobacco/nicotine (smoking, Therapy at homeAdjustment and coping after Continue primary care Sidebar 4: Considerations for Outpatient / Community-based vaping, chewing) management (see Sidebar 1) History of previous stroke stroke Age, ethnicity, gender/sex, race, · Primary care follow-up Motivation and preferences Current functional status and Go to Module B socioeconomic status endurance level Necessary equipment Outpatient/
Community-based
Rehabilitation Family/caregiver support Home assessment for safety · Resources, availability, and Recommendations can be accessed in the full guideline. Available 68 eligibility

VA/DOD CLINICAL PRACTICE GUIDELINES Module B: Outpatient/Community-based Rehabilitation	Sidebar 5a: Resources for Management of Post-Stroke Impairments/Needs*		Sidebar 5a: Resources for Management of Post-Stroke Impairments/Needs*	
<u>'</u>	Consultants/Referrals	Impairment/Need	Consultants/Referrals	Impairment/Need
12 Outpatient presents with impairments after stroke 13 Does the patient have depression? 15 No 15 Is an interdisciplinary stroke rehabilitation team available? 16 Refer to interdisciplinary stroke rehabilitation team	Behavioral and mental health	Adjustment and coping Behavioral smoking cessation Cognition Cognition Emotion and behavior Family/caregiver support Pain Sexual function and intimacy Community resources	Physical Medicine and Rehabilitation (e.g., physiatry)	Medication administration Pain (medical management) Prevention of post-stroke complications Rehabilitation management, oversight, and direction including assistance with return to work/duty or school Sexual function and infirmacy Spasticity (medical management)
17 No Consult PM&R 18 Assess the patient (see Sidebar 2) and identify patient's rehabilitation goals (see Appendix B in the full CPG)	Case management (social work and/or nursing)	Community resources Emotion and behavior Family/caregiver support Financial resources Risk for abuse/neglect (e.g., emotional, financial exploitation, or physical)	Physical therapy	Balance disorders and dizziness Durable medical equipment recommendations Exercise recommendations/aerobic reconditioning Home safety Motor/mobility problems Pain
19	Dietetics	Healthy eating and nutritional needs		Sexual function and intimacy Spasticity
Consider optimal environment for outpatient/community-based rehabilitation services (see Sidebar 4)	Neurology	Medication management Optimization of secondary stroke prevention Spasticity (medical management)		Strength Self-management skills, ADLs, IADLs
Educate patient/family on stroke (see Sidebar 3) Reach shared decision regarding rehabilitation program and treatment plan	Nursing	Bowel and bladder function Medication administration Patient and family education Self-management skills, ADLs, IADLs Skin care	Primary care	Diabetes mellitus Hyperlipidemia Hyperlipidemia Hyperfension Management of common stroke risk factors Management of commonbidities Medication management
Continue secondary prevention (see Sidebar 1) 21	Occupational therapy Ophthalmology	Cognition Driving Durable medical equipment recommendations Home safety Self-management skills, ADLs, IADLs Sexual function and intimacy Spasticity Strength Vision/vision perception	1	Medication management Tobacco use
Consult appropriate rehabilitation services (see Sidebar 5) 22 Has the patient met rehabilitation treatment goals? Yes			Recreation therapy	Adaptive sports Community re-entry Functional cognition Leisure/recreation participation Self-management skills, ADLs, IADLs
23 No Initiate/continue rehabilitation intervention			pathology • Col • Sel • Sw	Cognition Communication
24 Did the patient meet rehabilitation Yes Discharge patient from		Eye care Strabismus assessment and procedures		Self-management skills, ADLs, IADLs Swallowing
treatment goals or reach plateau?	Optometry/visual	Eye care Functional eye exam Non-operative strabismus management Strabismus assessment and procedures Visual field cut/blind spot/scotoma	Vocational rehabilitation	Return to work/duty or school
25 No arrange for primary care, neurology, and specialty care follow-up, as needed up, as needed up, as needed up, as needed up.	rehabilitation		*Some impairments/needs may have multiple consultants/referrals depending on various factors (e.g., severity). Abbreviations: ADLs: activities of daily living; IADLs: instrumental & fivities of daily living	













"Beyond disease there is a human being, a family, a provider, heroes and team - find them."

"Encourage patients to not let their circumstances change them but empower them to use their circumstance to change the world".

"Patients cannot be what they cannot see...
...show them the way"

"Be the spark of hope that empowers patients to get past nope!"

"Strive to have patients leave appointments feeling like a million-bucks instead of a buck-fifty."

"Pull out all of the stops to empower our patients to turn their long shots into sure shots!"

"Make small achievements big and big challenges small, taking fear out of it all"

Jason Gleason, DNP, NP-C, FAANP USAF/ANG LIEUTENTANT-COLONEL (RET)

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References:

- Winstein CJ, Stein J, Arena R, Bates B, Cherney LR, Cramer SC, Deruyter F, Eng JJ, Fisher B, Harvey RL, et al. Guidelines for adult stroke rehabilitation and recovery: a guideline for healthcare professionals from the American Heart Association/American Stroke Association. Stroke. 2016; 47:e98–e169. doi: 10.1161/str.0000000000000008
- Ayala C, Fang J, Luncheon C, King SC, Chang T, Ritchey M, Loustalot F. Use of outpatient rehabilitation among adult stroke survivors - 20 states and the district of Columbia, 2013, and four states, 2015.MMWR Morb Mortal Wkly Rep. 2018; 67:575–578. doi: 10.15585/mmwr.mm6720a2
- Prvu Bettger JA, Kaltenbach L, Reeves MJ, Smith EE, Fonarow GC, Schwamm LH, Peterson ED. Assessing stroke patients for rehabilitation during the acute hospitalization: findings from the Get With The Guidelines-Stroke program. Arch Phys Med Rehabil. 2013; 94:38–45. doi: 10.1016/j.apmr.2012.06.029
- Dromerick, A. W., Geed, S., Barth, J., Brady, K., Giannetti, M. L., Mitchell, A., Edwardson, M. A., Tan, M. T., Zhou, Y., Newport, E. L., & Edwards, D. F. (2021). Critical period after stroke study (CPASS): A phase II clinical trial testing an optimal time for motor recovery after stroke in humans. Proceedings of the National Academy of Sciences, 118(39). https://doi.org/10.1073/pnas.2026676118
- Young, B. M., Holman, E. A., Cramer, S. C., Shah, S., Griessenauer, C. J., Patel, N., Lin, D. J., Gee, J., Moon, J., Schwertfeger, J., Jayaraman, A., Lee, R., Lansberg, M., Payne, J., Patten, C., Cramer, S. C., Holman, E. A., Agrawal, K., Kissela, B., ... Falcone, G. J. (2023). Rehabilitation therapy doses are low after stroke and predicted by clinical factors. Stroke, 54(3), 831–839. https://doi.org/10.1161/strokeaha.122.041098
- 6. Black-Schaffer, R., Burris, J., Harvey, R., Nguyen, V., Steinle, B., & Zorowitz, R. (2023). The post-acute continuum for stroke care. Post-Acute Continuum for Stroke Care. https://www.aapmr.org/docs/default-source/career-center/aapmr-stroke-brochure-4-28-printhighres.pdf?sfvrsn=0
- Chen L, Xiao LD, Chamberlain D, Newman P. Enablers and barriers in hospital-to-home transitional care for stroke survivors and caregivers: A systematic review. J Clin Nurs. 2021 Oct;30(19-20):2786-2807. doi: 10.1111/jocn.15807. Epub 2021 Apr 19. PMID: 33872424.
- 8. Lou, S., Carstensen, K., Moldrup, M., Shahla, S., Zakharia, E., & Nielsen, C. P. (2017). Early supported discharge following mild stroke: A qualitative study of patients' and their partners' experiences of rehabilitation at home. Scandinavian Journal of Caring Sciences, 31(2), 302–311. https://doi.org/10.1111/scs.12347

References:

- Sadler, E., Daniel, K., Wolfe, C. D., & McKevitt, C. (2014). Navigating stroke care: The experiences of younger stroke survivors. Disability & Rehabilitation, 36(22), 1911–1917. https://doi.org/10.3109/09638288.2014.88241
- Cobley, C. S., Fisher, R. J., Chouliara, N., Kerr, M., & Walker, M. F. (2013). A qualitative study exploring patients' and carers' experiences of Early Supported Discharge services after stroke. Clinical Rehabilitation, 27(8), 750–757. https://doi.org/10.1177/0269215512474030
- Lutz, B. J., Young, M. E., Creasy, K. R., Martz, C., Eisenbrandt, L., Brunny, J. N., & Cook, C. (2017). Improving stroke caregiver readiness for transition from inpatient rehabilitation to home. The Gerontologist, 57(5), 880–889. https://doi.org/10.1093/geront/gnw135
- 12. Pereira, C. M., Greenwood, N., & Jones, F. (2020). From recovery to regaining control of life—the perspectives of people with stroke, their carers and health professionals. Disability and Rehabilitation, 1–12. https://doi.org/10.1080/09638288.2020.172226
- 13. Ghazzawi, A., Kuziemsky, C., & O'Sullivan, T. (2016). Using a complex adaptive system lens to understand family caregiving experiences navigating the stroke rehabilitation system. BMC Health Services Research, 16(1), 538. https://doi.org/10.1186/s12913-016-1795-6
- 14. Finch, E., Foster, M., & Fleming, J. (2020). Disrupted biographies: Making sense of minor stroke after hospital discharge. Disability and Rehabilitation, 1–8. https://doi.org/10.1080/09638288.2019.170898
- 15. Gleason, J., (2024) Impact on family members of loved ones who have died from stroke. Points and letter.
- Connolly, T., & Mahoney, E. (2018). Stroke survivors' experiences transitioning from hospital to home. Journal of Clinical Nursing, 27(21–22), 3979–3987. https://doi.org/10.1111/jocn.14563
- 17. Gholamzadeh, S., Tengku Aizan, H., Sharif, F., Hamidon, B., & Rahimah, I. (2015). Exploration the supportive needs and coping behaviors of daughter and daughter in-law caregivers of stroke survivors, Shiraz-Iran: A qualitative content analysis. International Journal of Community Based Nursing & Midwifery, 3(3), 205–215.

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