5M'S OF GERIATRICS

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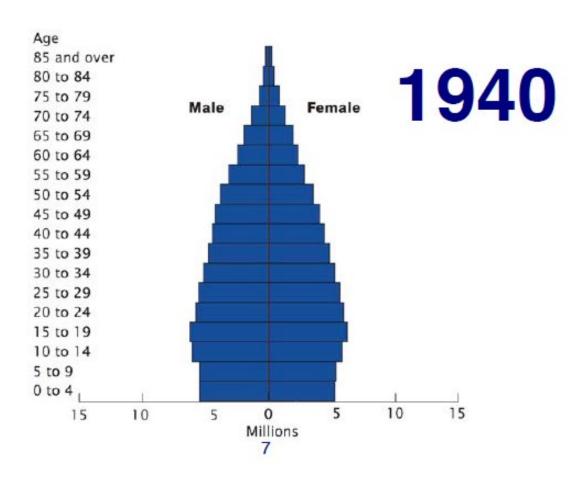


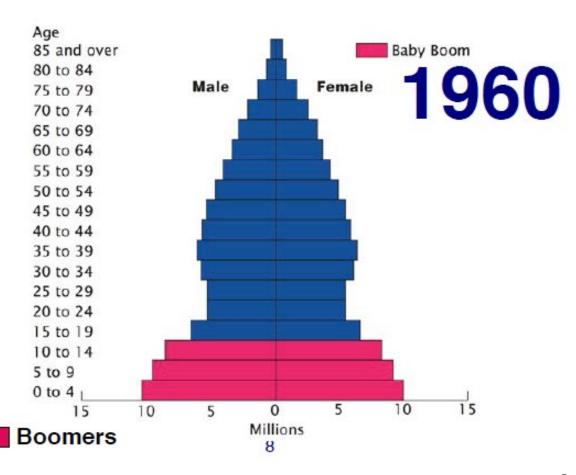
Objectives

- Review the approach to a Geriatric patient
- Introduce 5Ms of Geriatrics to assess older adults
 - Mind/Mentation
 - Mobility
 - Medications
 - Multi-morbidity
 - Matters Most

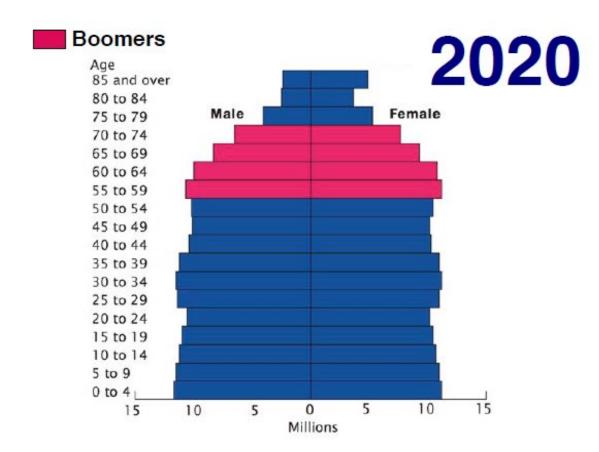


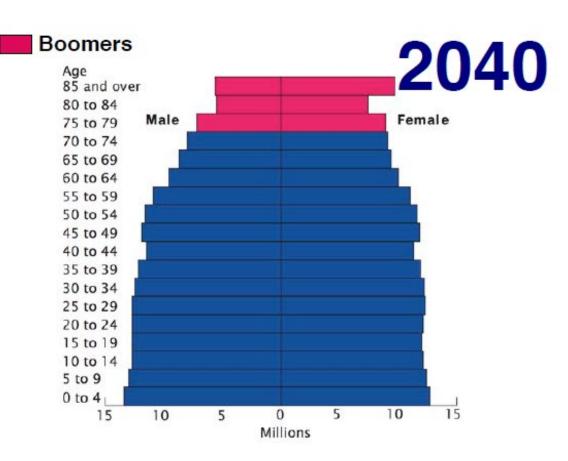
Aging population has been growing...





And will continue to grow...!

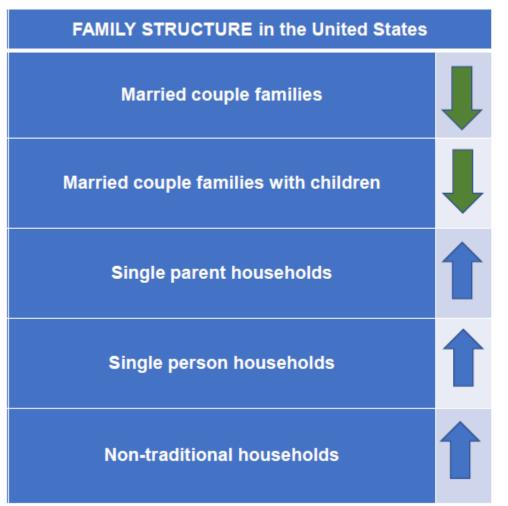


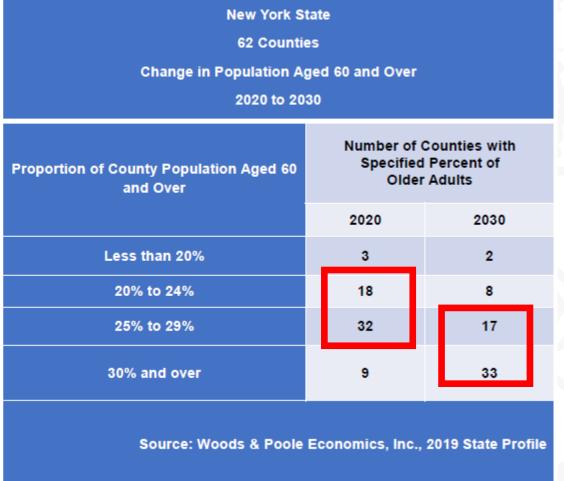


Aging population will transform our society and health care systems

- 18% are ≥ 65 in Erie County
- **40**% ≥ 65 in the hospital
- 50% \geq 85 \downarrow cognition \pm frailty
- 75% ≥ who require rehab or LTC post-hospitalization
- 100% who are aging and want to live a long and healthy life!

New York State Trends Demographics





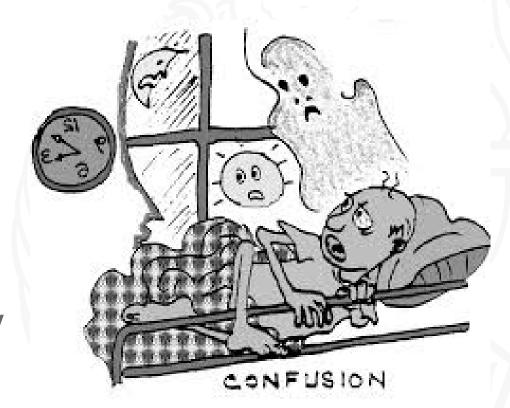
Health and Impairment of Older Adults

- Chronic conditions the major cause of illness, disability and death in US
- Estimated that the cost of chronic conditions will reach \$864 billion by 2040
- Chronic conditions among older adults being more costly, disabling, and difficult to treat – many preventable

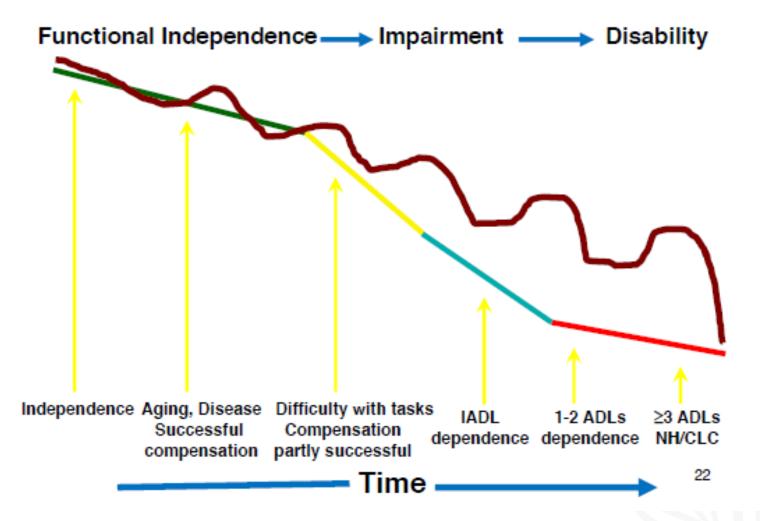
New York State Population: Disability					
Age Group % of Group with All Types of Disabilities					
5-20 4%					
21-64 9%					
65 and over	35%				

Case of hospitalized older adult

- 75 M PMH of **dementia**, HTN, DJD, found "**wandering**" in his neighborhood
- "non-reimbursable admission"
- Confused and "agitated"; given Haloperidol and restrained.
 For hours, kept in bed due to "high fall risk". Given olanzapine for further sedation.
- Restricted to the bed most of hospitalization due to delirium, hence leads to progressive debility despite physical therapy (PT)
- PT recommends Subacute Rehab (SAR)



Trajectory of functional ability



Frail elderly are at risk for multiple adverse outcomes

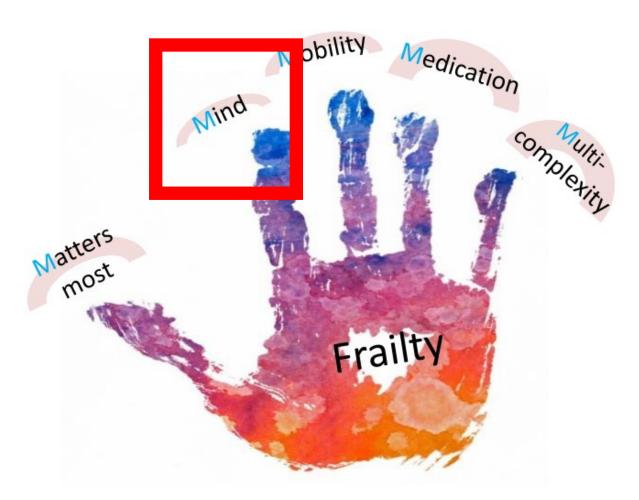
- Acute illness / Medical instability
- Disability, dependency
- Hospitalizations/ Institutionalization
- Injuries / Falls
- Health care resource utilization
- latrogenesis and side effects
- Mortality

Frailty is at the Core of Geriatric Medicine (and Palliative Medicine)

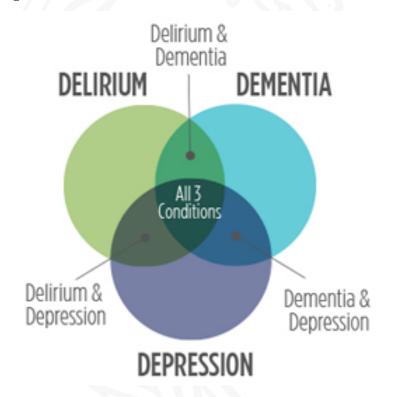
Approach to the Geriatric 5 Ms



Mind/Mentation



- Dementia
- Delirium
- Depression





Instructions	for Administr	ation & Scoring
ID:	Date:	

Mind/Mentation – **Dementia**

Step 1:	: Three \	Word Reg	jistrati	ior
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Look directly at person and say, "Please listen carefully. I am going to say three words that I want you to repeat back to me now and try to remember. The words are [select a list of words from the versions below]. Please say them for me now." If the person is unable to repeat the words after three attempts, move on to Step 2 (clock drawing).

The following and other word lists have been used in one or more clinical studies. 1-3 For repeated administrations, use of an alternative word list is recommended.

Version 1	Version 2	Version 3	Version 4	Version 5	Version 6
Banana	Leader	Village	River	Captain	Daughter
Sunrise	Season	Kitchen	Nation	Garden	Heaven
Chair	Table	Baby	Finger	Picture	Mountain

Step 2: Clock Drawing

Say: "Next, I want you to draw a clock for me. First, put in all of the numbers where they go." When that is completed, say: "Now, set the hands to 10 past 11."

Use preprinted circle (see next page) for this exercise. Repeat instructions as needed as this is not a memory test. Move to Step 3 if the clock is not complete within three minutes.

Step 3: Three Word Recall

Ask the person to recall the three words you stated in Step 1. Say: "What were the three words I asked you t
remember?" Record the word list version number and the person's answers below.

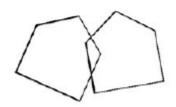
Word List Version: Person's Answers:	rd List Version:	Person's Answers:		
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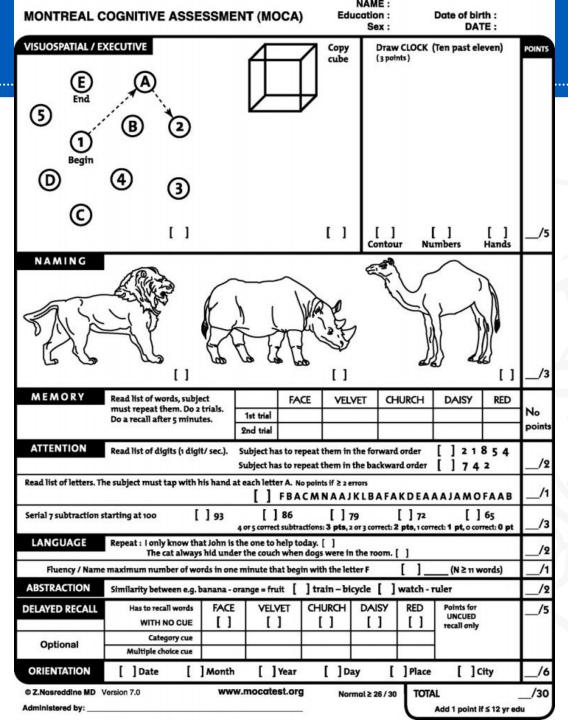
University at Buffalo The State University of New York

Mind/Mentation – **Dementia**

Minimental Status Exam

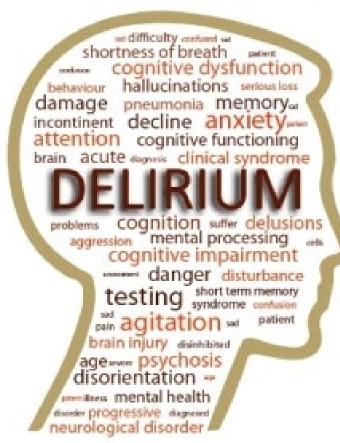
Orientation		Value	e Score
	Year, season, date, day, month	5	_
	State, county, town, hospital, floor	5	_
Registration			
	Repeat and remember 3 words	3	_
Attn & Calc.			
	Serial 7's (5 times) or DLROW	5	_
Recall			
	Recall three above items	3	_
Language			
	Name two common objects when shown	2	_
	Repeat "no ifs and or buts"	1	_
3-stage common	d		
	Take this paper, fold it, place it on table	3	_
Read and Do			
	Close your eyes	1	_
Write Sentence			
	Write sentence with proper grammar	1	_
Copy			
	Copy below overlapping pentagons	1	_
	Total:		/30





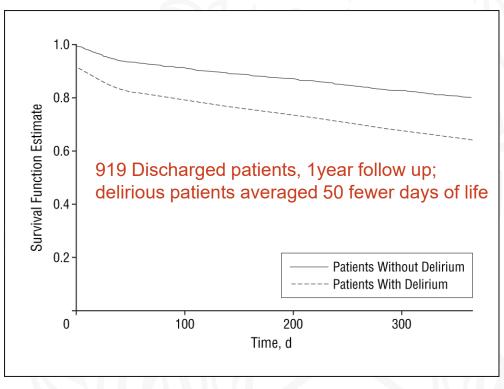
Mind/Mentation – Morbidity of **Delirium**

- 10-fold risk of death in hospital
- A 3-5 fold ↑ risk of nosocomial complications, post-acute NH placement
- ↑ length of stay, morbidity, mortality = ↑ costs
- Poor functional recovery, decreased physical function
- Institutionalization, prolonged rehabilitation
- Persistence of cognitive impairment for > 2 years



Epidemiology and Detection of Delirium

- 1/3 of older patients presenting to the ED
- 1/3 of inpatients aged 70+ on general medical units, half of whom are delirious on admission
- Under-recognition nurses recognize, document < 50%; MDs recognize, document only 20%
- DSM-IV criteria precise, difficult to apply
- Confusion Assessment Method (CAM) performs better clinically: >95% sensitivity, specificity



Delirium is associated with poorer survival

Leslie DL, Arch Int Med 2005;165:1657

Mind/Mentation – Delirium screening tool Confusion Assessment Score (CAM)

1a. Acute onset: Is there evidence of an acute change in mental status from the patient's baseline?
OR

1b. Fluctuating course: Did the (abnormal) behavior fluctuate during the day, that is tend to come and go or increase and decrease in severity?

AND

2. Inattention: Did the patient have difficulty focusing attention, for example being easily distractible, or having difficulty keeping track of what was being said?

AND

3. Disorganised thinking: Was the patient's thinking disorganized or incoherent, such as rambling or irrelevant conversation, unclear or illogical flow of ideas, or unpredictable switching from subject to subject?

)R

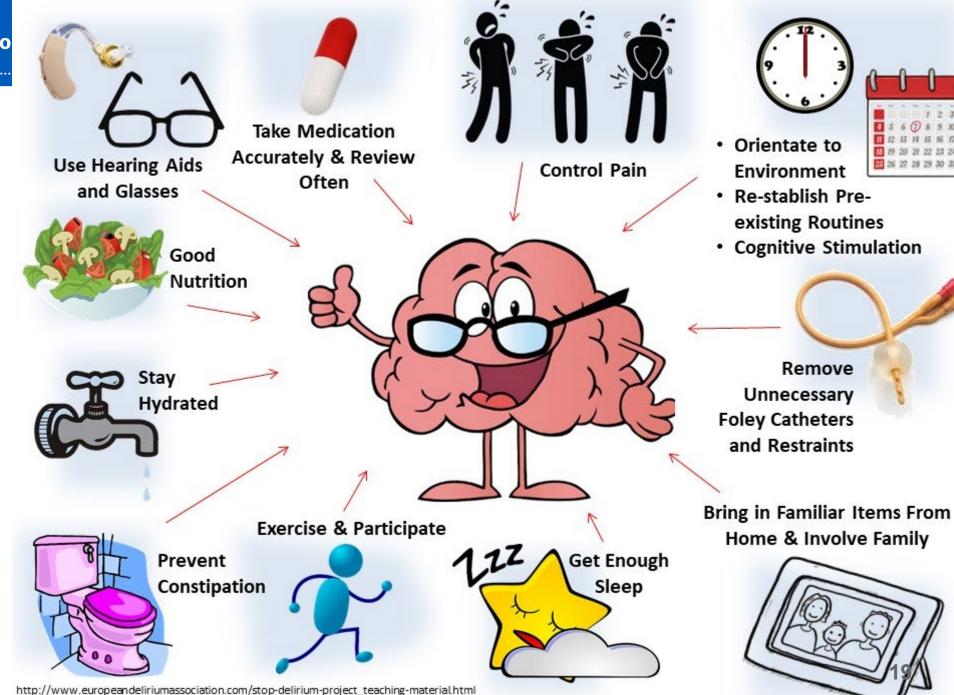
4. Altered level of consciousness: Overall, how would you rate this patient's level of consciousness? Any answer other than 'alert' indicates an abnormal level of consciousness.

University at Buffalo

Delirium prevention is key!

No evidence that drugs reduce severity or duration of delirium – in fact, most worsen

Marcantonio ER. Delirium in Hospitalized Older Adults. NEJM. 2017; 377:1456-66.



Delirium Guidelines

Choosing Wisely Recommendations:



An initiative of the ABIM Foundation

- Avoid physical restraints to manage behavioral symptoms of hospitalized older adults
- Do not use benzodiazepines or other sedative-hypnotics in older adults as first choice for insomnia, agitation, or delirium

Mind/Mentation – Depression – PHQ2 screen

	Not at all	Several days	More than half the days	Nearly every day
Lost interest or had little pleasure in doing things	0	1	2	3
Felt down, depressed, or hopeless	0	1	2	3

Total score = sum of two items.

PHQ-2 score \geq 3 is suggestive of elevated symptoms of depression.

*The PHQ-2 was developed by Drs. Robert L. Spitzer, Janet B.W. Williams, Kurt Kroenke, and colleagues, with an educational grant from Pfizer Inc. *PHQ2 Copyright* © *Pfizer Inc. All rights are reserved*.



GERIATRIC DEPRESSION SCALE

Choose the best answer for how you have felt over the past week:

- 1. Are you basically satisfied with your life? YES / NO
- 2. Have you dropped many of your activities and interests? YES / NO
- 3. Do you feel that your life is empty? YES / NO
- Do you often get bored? YES / NO
- Are you in good spirits most of the time? YES / NO
- 6. Are you afraid that something bad is going to happen to you? YES / NO
- 7. Do you feel happy most of the time? YES / NO
- 8. Do you often feel helpless? YES / NO
- 9. Do you prefer to stay at home, rather than going out and doing new things? YES / NO
- 10. Do you feel you have more problems with memory than most? YES / NO
- Do you think it is wonderful to be alive now? YES / NO
- 12. Do you feel pretty worthless the way you are now? YES / NO
- 13. Do you feel full of energy? YES / NO
- 14. Do you feel that your situation is hopeless? YES / NO
- 15. Do you think that most people are better off than you are? YES / NO



History

- any recent falls or fear of falling
- Baseline mobility
- Living situation (community vs. facility)

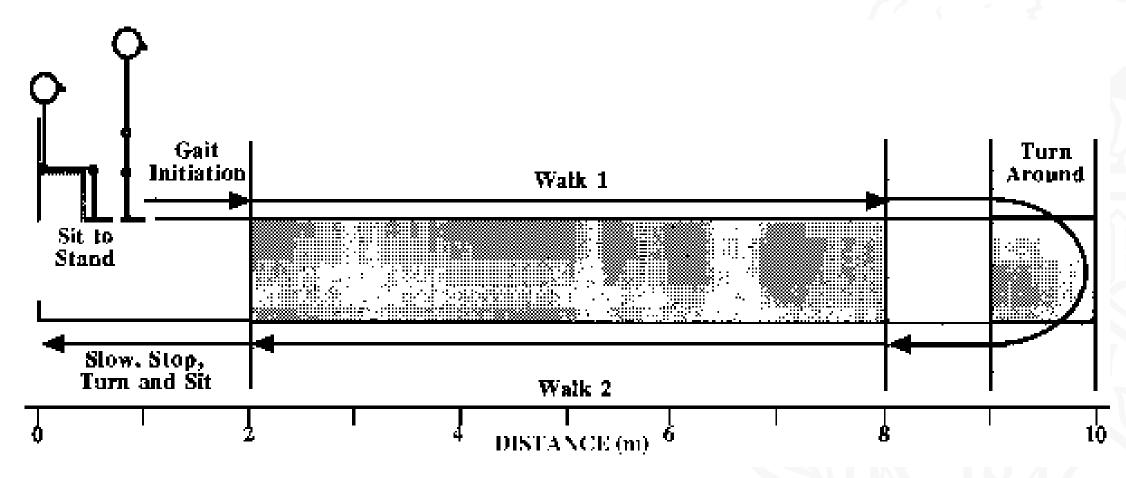
Functional Status

- Activities of Daily Living/Instrumental Activities of Daily Living
- Get up and Go test
- Fall injury prevention
 - Intrinsic factors Orthostatic
 hypotension, vision impairment
 - Extrinsic factors Medications, environment

Mobility

Instrumental Activities of Daily Living (IADLs)		
Using the telephone		
Shopping		
Preparing food		
Housekeeping		
Doing laundry		
Using transportation		
Handling medications		
Handling finances		

Mobility – Get up and Go Test





History

- any recent falls or fear of falling
- Baseline mobility
- Living situation (community vs. facility)
- Functional Status
 - Activities of Daily Living/Instrumental Activities of Daily Living
 - Get up and Go test
- Fall injury prevention
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 - Extrinsic factors Medications, environment

<u>M</u>edications



- Polypharmacy !!!!
- Deprescribing and Optimal prescribing
- Adverse medication effects and medication burden
- Tools
 - AGS Beer's criteria
 - Deprescribing.org
 - Medstopper.org
 - Anticholinergic Burden Calculator

Multicomplexity



- Caregiver burden
- Finances
- Social isolation
- Transitions of Care
- Prognostication
 - Functional Assessment Staging
 Tool (FAST) for dementia
 - Palliative Performance Scale (PPS)
 - Eprognosis.com
 - Surprise question?

Unive

Functional Assessment Staging Tool (FAST Scale)

- 1. No difficulty either subjectively or objectively.
- 2. Complains of forgetting location of objects. Subjective work difficulties.
- Decreased job functioning evident to co-workers. Difficulty in traveling to new locations.
 Decreased organizational capacity. *
- **4.** Decreased ability to perform complex tasks, e.g., planning dinner for guests, handling. personal finances (such as forgetting to pay bills), difficulty marketing, etc.
- **5.** Requires assistance in choosing proper clothing to wear for the day, season, or occasion, e.g., patient may wear the same clothing repeatedly, unless supervised. *

6.

- A. Improperly putting on clothes without assistance or prompting (e.g., may put street clothes on over night clothes, or put shoes on wrong feet, or have difficulty buttoning clothing) occasionally or more frequently over the past weeks. *
- B. Unable to bathe properly (e.g., difficulty adjusting bathwater temp.) occasionally or more frequently over the past weeks. *
- C. Inability to handle mechanics of toileting (e.g., forgets to flush the toilet, does not wipe properly or properly dispose of toilet tissue) occasionally or more frequently over the past weeks. *
- D. Urinary incontinence occasionally or more frequently over the past weeks. *
- E. Fecal incontinence occasionally or more frequently over the past weeks. *

7.

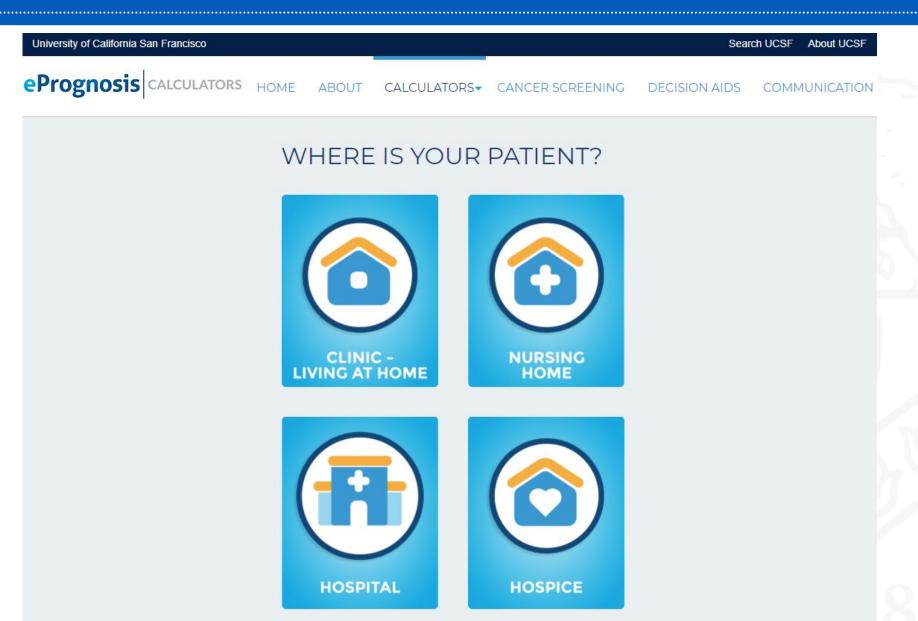
- A. Ability to speak limited to approximately a half-dozen intelligible different words or fewer in the course of an average day or in the course of an intensive interview.
- B. Speech ability is limited to the use of a single intelligible word in an average day or in the course of an intensive interview (the person may repeat the word over and over).
- C. Ambulatory ability is lost (cannot walk without personal assistance).
- D. Cannot sit up without assistance.
- E. Loss of ability to smile.
- F. Loss of ability to hold head up independently.

Reisberg, B. Functional Assessment Staging (FAST). Psychopharmacology Bulletin, 1988; 24:653-659.

^{*} Scored primarily on the basis of information obtained from knowledgeable informant.

PALLIATIVE PERFORMANCE SCALE (PPS)

%	Ambulation	Activity level Evidence of disease	Self-care	Intake	Level of consciousness	Estimate median survival in days (a) (b) (c		Level of survivation day		an /al /s
100	Full	Normal No disease	Full	Normal	Full					
90	Full	Normal Some disease	Full	Normal	Full	NA 145 29	NIA			
80	Full	Normal with effort Some disease	Full	Normal or reduced	Full		NA	108		
70	Reduced	Can't do normal job or work Some disease	Full	As above	Full					
60	Reduced	Can't do hobbies or housework Significant disease	Occasional assistance needed	As above	Full or confusion		4			
50	Mainly sit/lie	Can't do any work Extensive disease	Considerable assistance needed	As above	Full or confusion	30	11	4.4		
40	Mainly in bed	As above	Mainly assistance	As above	Full or drowsy or confusion	18	8	41		
30	Bed bound	As above	Total care	Reduced	As above	8	5			
20	Bed bound	As above	As above	Minimal	As above	4	2			
10	Bed bound	As above	As above	Mouth care only	Drowsy or coma	1	1	6		
0	Death						- 35			



Surprise Question: Would you be surprised if this patient dies in 6 months?

Matters Most



- Advanced Care Planning
 - Health Care Proxy (HCP)
 - Medical Orders of Life Sustaining
 Treatment (MOLST) form
- Communicating Tools
 - Prepareforyourcare.org
 - Theconversationproject.org
 - Serious Illness Conversation guide
 - Vitaltalk.org REMAP

the conversation project



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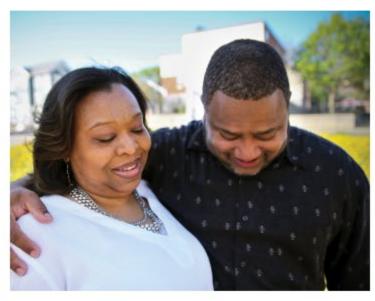
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Helping people share their wishes for care through the end of life.

The conversation project.org

All the Guides are available to download and print at home for free. Click on the title or image of the Guide to download.

I want to...

- . Start a conversation with those who matter most to me
- · Choose a health care proxy for myself
- · Be a good health care proxy for someone else
- · Talk to my health care team about my wishes for care through the end of life
- . Think and get ready to talk about the care I want for my serious illness
- · Help the person I care for with Alzheimer's or Dementia have a say in their health care
- · Talk with my child living with serious illness about the health care that's right for them
- Take action and be prepared in the time of COVID

Frequently Asked Questions

Note: Before filling in a Conversation Guide, save it to your desktop. Otherwise, anything you type will not be saved.

Your Conversation Starter Guide







Chinese

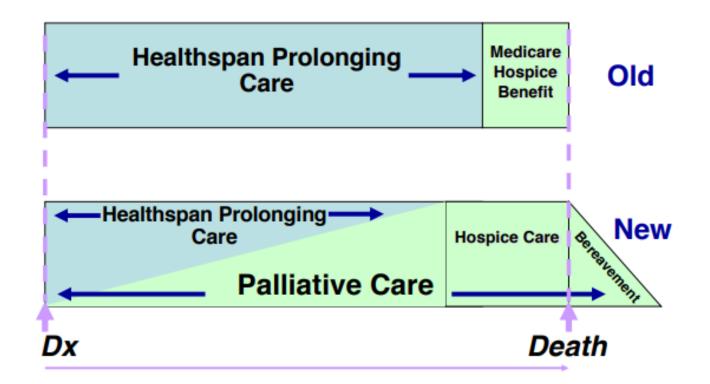
The conversation project.org

Spanish

Matters Most – Various ways to ask "What matters to you?"

- What is important to you at the moment?
- For your care, what's your ideal scenario?
- What are your hopes/worries?
- Is there anything you want to avoid in your care?
- What are your goals and how can I help you achieve them?
- What can I do to best support you in your care today?

Conceptual Shift for Geriatric and Palliative Care Goals



CONTROVERSIES IN GERIATRICS AND GERONTOLOGY

Is Palliative Care the "New" Geriatrics? Wrong Question—We're Better Together

James T. Pacala, MD, MS

Is palliative care the "new" geriatrics? I submit that this is the wrong question because it connotes a mutually exclusive or even adversarial relationship between the two disciplines. We should not be asking whether one usurps the other. Nor should we be attempting to draw distinct boundaries around ourselves to exclude the other discipline. Rather, geriatrics and palliative care should be looking to identify mutual strengths, while openly and

Herein lies the difficulty in ourselves one from the other: c more commonalities than differ care of older adults. Because we for scarce resources and recogni are blown out of proportion. In organizations will often retreat it tality, attempting to strengthen the

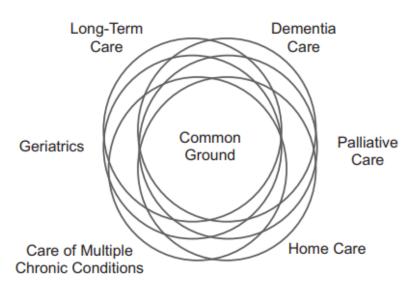
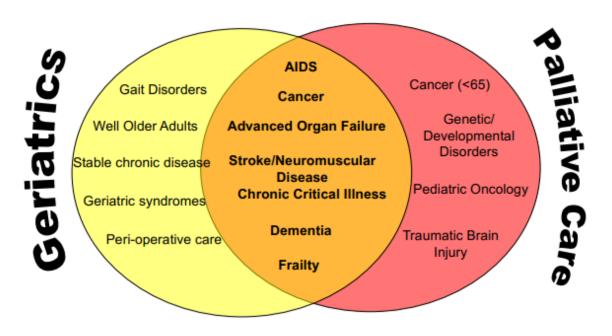


Figure 2. Building effective partnerships around common ground.

Geriatrics and Palliative Care: Leaning In



Morrison RS. JPM 2013

Pacala JT. *J Am Geriatr Soc.* 2014;62(10):1968-1970.

5Ms – "high five" of Geriatrics!





National initiative started by The John A. Hartford Foundation (JAHF) and the Institute for Health-care Improvement (IHI), in partnership with the American Hospital Association (AHA) and the Catholic Health Association of the United States (CHA) in 2017.



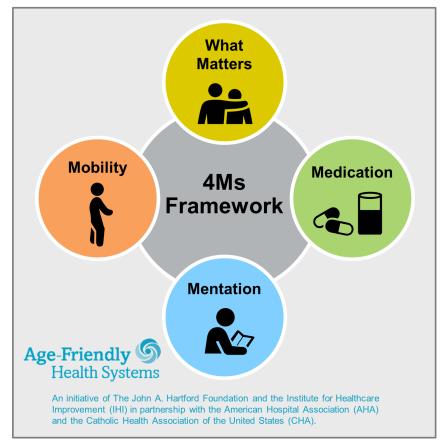




Age Friendly Health Initiative

- Commitment to building a social movement so all care with older adults is age-friendly care:
 - Guided by an essential set of evidence-based practices (4Ms of Geriatrics outlined below);
 - Causes no harms; and
 - Is consistent with What Matters to the older adult and their family

Visit <u>www.ihi.org/agefriendly</u> for more information



What Matters

Know and align care with each olde specific health outcome goals and c preferences including, but not limite end-of-life care, and across settings

Medication

If medication is necessary, use Age medication that does not interfere w Matters to the older adult, Mobility, c Mentation across settings of care.

Mentation

Prevent, identify, treat, and manage dementia, depression, and delirium settings of care.

Mobility

Ensure that older adults move safely day in order to maintain function and What Matters.

References

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Questions?

Thank you

