

# Providence Alaska Project ECHO Dementia

## Delirium Prevention in Dementia for the PCP

*Using the Age-Friendly 5Ms Framework to prevent delirium in person's living with dementia*

**Carrie Rubenstein, MD**  
**Swedish Medical Center**



# ECHO Clinics

## HUB Team Members

Nancy Isenberg, MD, MPH

Jordan Lewis, Ph.D

Ursula McVeigh, MD

Kristoffer Rhoads, Ph.D

Kimberly Jung

Kyla Newland, PharmD



# Providence Alaska Project Echo Dementia

Monday, March 7th, 2022 | 12:00 – 1:00 PM AKST

Virtual Conference

## CME Credit

### Accreditation with Commendation

Swedish Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### AMA PRA Category 1 Credits™

Swedish Medical Center designates this live activity for a maximum of 1 *AMA PRA Category 1 Credit*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### For Nurses

American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME



# Course Disclosure Summary

## Providence Alaska Project ECHO Dementia

Monday, March 7th, 2022 | 12:00 – 1:00 PM AKST

**The following planners and speakers have/had financial relationship(s) with ineligible companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients: *P= Planner, S=Speaker***

Amber Rogers, RN, MSN (P): Johnson & Johnson, GW Pharmaceuticals, Pfizer, Inc. – Stocks

**All the relevant financial relationships listed for this individual have been mitigated.**

**The following planners and speakers have/had no financial relationship(s) with ineligible companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients: *P= Planner, S=Speaker***

Nancy J. Isenberg, MD, MPH (P, S); Kristoffer Rhoads, PhD (P, S); Carrie Rubenstein, MD (S); Laurie Turay, BA Ed (P)

**All planners and speakers attested that their content suggestions and/or presentation(s) will provide a balanced view of therapeutic options and will be entirely free of promotional bias.**

**All presentations given by a speaker who has/had relationship(s) with ineligible companies have been reviewed by a planner with no conflicts of interest to ensure that the content is evidence-based and unbiased.**

# CME Evaluation & Claiming Credit

## Providence Alaska Project ECHO Dementia

### Monday, February 28, 2022 | 12:00 – 1:00 PM AKST

In order to obtain your credits/certificate for this Swedish CME conference, you will need to complete the course evaluation *after each session* using the process below. **Do not start this process until the individual session has adjourned as it must be completed all at once.** **Note:** *you will have 30 days from the date of the session to complete the evaluation and receive credit.*

Visit: <https://www.swedish.org/cmeportal>

**Sign in or create a Swedish CME profile**, if you do not have one, by clicking on **Access CME Portal**, click **Sign In**, click green **Create Account** button. Anyone can create a profile using the email and password of their choice.

Click **“Claim Credit with Code”**

Enter code **225447** to complete the evaluation and receive credit for this session. You will receive a new code for each session.

On the credit claim page enter the actual number of hours that you are claiming commensurate with your actual attendance at the conference. The maximum number of hours for this session is one (1.0). For physicians, the number of hours participated equals the number of *AMA PRA Category 1 Credits™* claimed and awarded, with one hour of participation equaling 1 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of your participation in the activity and should claim credit in 15 minute or 0.25 credit increments.

Your certificate will auto-populate after you submit your hours. Print, email or save your certificate (you may need to have pop-ups enabled on your browser).

Past certificates or transcripts can be accessed at any time by returning to [www.Swedish.org/cmeportal](http://www.Swedish.org/cmeportal) and logging into your Swedish CME portal account. Questions? Contact [cme@swedish.org](mailto:cme@swedish.org)

# Agenda

- 1. Opening Notes and Reminders**
- 2. Introductions**
- 3. Didactic: Delirium Prevention in Dementia for the Primary Care Provider by Dr. Carrie Rubenstein**
- 4. Case Presentation: Open Discussion**
- 5. Closing Notes/ Evaluation**

# Ground Rules

- Conscious contribution
- Protect ALL private health information
- All sessions are recorded and available on Mountain-Pacific Quality Health's website
- Support the ECHO culture: Be humble, be open, be curious
- **Session evaluations are required for CME**
- Collaboration
  - Learn from others
  - Share your knowledge
  - SMILE: Cameras ON

# Who am I?

- Family Physician and Geriatrician
- Director, Swedish Geriatrics Fellowship and Faculty, Swedish Family Medicine – First Hill Residency
- Care settings where I practice: Clinic, Hospital, Nursing Home, Adult Family Home, Private Home
- Daughter of a Dementia Care Partner



# Objectives

1. Review Age-Friendly Health Systems 5M Framework.
2. Describe delirium risk **from the Primary Care Perspective.**
3. Use the Age-Friendly Health Systems 5Ms Framework to prevent delirium in persons living with dementia.
4. Describe the Patient Priorities Care tool and how you can use it in your practice to address complexity and focus on what matters to your patient

# Age-Friendly Health Systems

## Providence's 5Ms for Age-Friendly Health:

WHAT **MATTERS**



Know your care preferences and set goals for your health. Establish Advance Directives and Trusted Decision Makers.

**MEDICATION**



Manage your medications and understand how they may impact your mobility and cognition.

**MENTATION**



Get the emotional and cognitive support you need. Understand, prevent, and seek treatment for dementia, delirium, and depression.

**MOBILITY**



Keep active and mobile, preventing injuries and falls. Learn how to safely mobilize as you age.

**MALNUTRITION**



Commit to proper nutrition and assess malnutrition risk regularly.

Providence is a pioneering partner in creating the Age-Friendly Health System initiative with IHI, the John A. Hartford Foundation, and CHA.



# Age Friendly Health Systems

## How do age friendly health systems (AFHS) improve dementia care?

- Dementia care is whole person care, at the core of which is the person with dementia and their caregiver (the dyad), and What Matters to them.
- Incorporating the 5Ms to guide your care of people living with dementia, all older adults and all people will help you provide consistent and comprehensive care.
- Assessing and acting on the 5Ms can play a key role in delirium prevention



# Why do we care?

Each year **40%** of community-dwelling People with dementia (PwD) will visit ED and **30%** will be hospitalized at least once.

Hospital care is **3 times as costly** compared to older people w/o dementia

Acute hospitalization in PwD is associated with increased **risk of delirium, falls, cognitive and functional decline, 30 day readmission, longer LOS, long-term care admission and death**

Shepherd et al, *BMC Medicine* 2019

# Pat

- 80yo person living at home with mid stage mixed-type dementia, recent small stroke, and history of urinary retention
- She left the hospital with plans for home health OT/PT and nursing, an indwelling foley catheter, and a new medication for depression
- She has significant hearing loss
- She has the help of an unpaid caregiver, but she does not have 24-hour care
- She hates her indwelling foley catheter
- After the hospitalization she had several home visits by her PCP
- **What MATTERS Most to her is her cat, Leah**



# Pat

- Hypothyroidism
- Hypertension
- Coronary Artery Disease
- Hx of Splenic Infarct
- Major neurocognitive disorder due to Alzheimer's disease+Vascular (probable mixed)
  - Balance problem
- Urinary retention
- Constipation
- Moderate-Severe Sensorineural Hearing loss (SNHL)





# Pat

## MEDICATIONS

No current facility-administered medications on file prior to encounter.

### Current Outpatient Medications on File Prior to Encounter

Medication	Sig	Dispense	Refill
• acetaminophen (TYLENOL) 500 mg tablet	Take 1-2 tablets by mouth every 6 hours as needed for Pain.	60 tablet	3
• aspirin 81 mg chewable tablet	Chew and swallow 1 tablet Daily.	90 tablet	3
• atorvaSTATin (LIPITOR) 80 MG tablet	Take 1 tablet by mouth Daily.	90 tablet	3
• calcium carbonate (TUMS) 500 mg chewable tablet	Chew and swallow 2 tablets every 4 hours as needed for Indigestion.	90 tablet	0
• cholecalciferol (CHOLECALCIFEROL) 50 mcg (2,000 units) tablet	Take 1 tablet by mouth Daily For low vitamin D..	90 each	0
• citalopram (CELEXA) 20 mg tablet	Take 1 tablet by mouth Daily.	90 tablet	3
• clopidogrel (PLAVIX) 75 mg tablet	Take 1 tablet by mouth Daily.	90 tablet	0
• clopidogrel (PLAVIX) 75 mg tablet	Take 1 tablet by mouth Daily.	60 tablet	0
• donepezil (ARICEPT) 10 MG tablet	Take 1 tablet by mouth daily.	90 tablet	3
• levothyroxine (SYNTHROID) 100 mcg tablet	Take 1 tablet by mouth Daily for low thyroid hormone. Best taken on an empty stomach at least 30 minutes before food or other medicines..	90 tablet	0
• melatonin 3 mg TABS	Take 1 tablet by mouth nightly.	90 tablet	3
• polyethylene glycol (MIRALAX) 17 g packet	Take 1 diluted packet by mouth Daily as needed.	30 each	1
• senna (SENOKOT) 8.6 mg	Take 1 tablet by	90 tablet	0



# Delirium Risk Factors

Table 1—Mnemonic for Reversible Causes of Delirium

<b>Drugs</b>	Any new additions, increased dosages, or interactions Consider OTC drugs and alcohol Consider especially high-risk drugs ( <a href="#">Table 4</a> )
<b>Electrolyte disturbances</b>	Especially dehydration, sodium imbalance Thyroid abnormalities
<b>Lack of drugs</b>	Withdrawals from chronically used sedatives, including alcohol and sleeping pills Poorly controlled pain (lack of analgesia)
<b>Infection</b>	Especially urinary and respiratory tract infections
<b>Reduced sensory input</b>	Poor vision, poor hearing (lack of glasses, hearing aids in the hospital)
<b>Intracranial</b>	Infection, hemorrhage, stroke, tumor
<b>Urinary, fecal</b>	Urinary retention: "cystocerebral syndrome" Fecal impaction, constipation
<b>Myocardial, pulmonary</b>	Myocardial infarction, arrhythmia, exacerbation of heart failure, exacerbation of COPD, hypoxia, hypercarbia



# Delirium Risk Factors

★ Pat's  
delirium risk  
factors

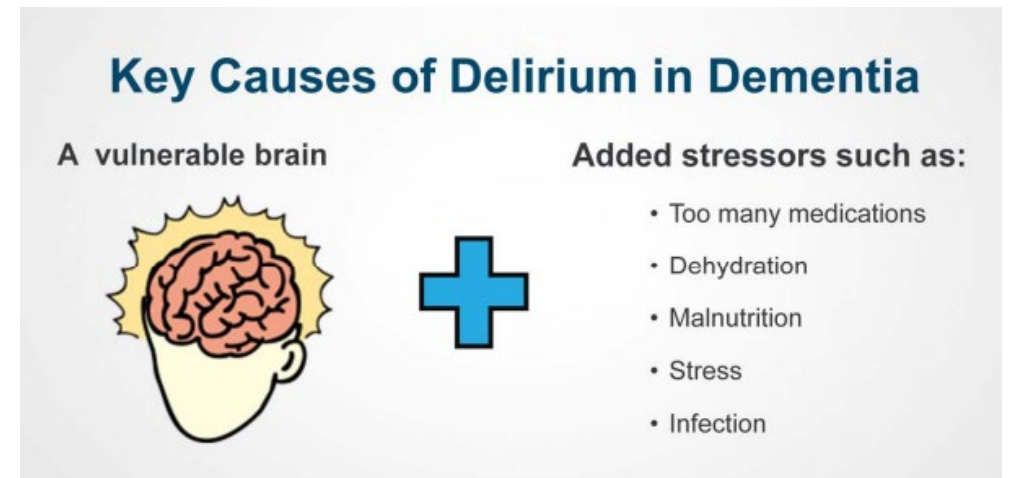
Table 1—Mnemonic for Reversible Causes of Delirium

<b>Drugs</b>	Any new additions, increased dosages, or interactions ★ Consider OTC drugs and alcohol Consider especially high-risk drugs (Table 4)
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<b>Reduced sensory input</b>	Poor vision, poor hearing (lack of glasses, hearing aids in the hospital) ★
<b>Intracranial</b>	Infection, hemorrhage, stroke, tumor ★
<b>Urinary, fecal</b>	Urinary retention: "cystocerebral syndrome" ★ ★ Fecal impaction, constipation ★
<b>Myocardial, pulmonary</b>	Myocardial infarction, arrhythmia, exacerbation of heart failure, exacerbation of COPD, hypoxia, hypercarbia

# Delirium in Dementia

Major neurocognitive disorder (dementia) is perhaps the strongest predisposing risk factor for delirium

*Plug for early detection!*



# Prevention of Hospital Delirium: What do we know?

- Avoid anticholinergics, benzodiazepines, opioids, H2 blocker, TCA, steroids
- Fluid management- avoid dehydration
- Early mobilization
- Avoid sleep disturbances
- Minimize perceptual deficits/glasses/aids
- Environmental awareness, nutrition, oxygenation.
- HELP, ABCDE bundle and ACE program multicomponent program
- Pharmacist led medication review in institutional long-term care

Now, let's apply this to our **ambulatory** practice!

# Prevention of Delirium in Dementia: What Matters

## Providence's 5Ms for Age-Friendly Health:



**WHAT MATTERS**



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**MEDICATION**



Manage your medications and understand how they may impact your mobility and cognition.

**MENTATION**



Get the emotional and cognitive support you need. Understand, prevent, and seek treatment for dementia, delirium, and depression.

**MOBILITY**



Keep active and mobile, preventing injuries and falls. Learn how to safely mobilize as you age.

**MALNUTRITION**



Commit to proper nutrition and assess malnutrition risk regularly.

Providence is a pioneering partner in creating the Age-Friendly Health System initiative with IHI, the John A. Hartford Foundation, and CHA.

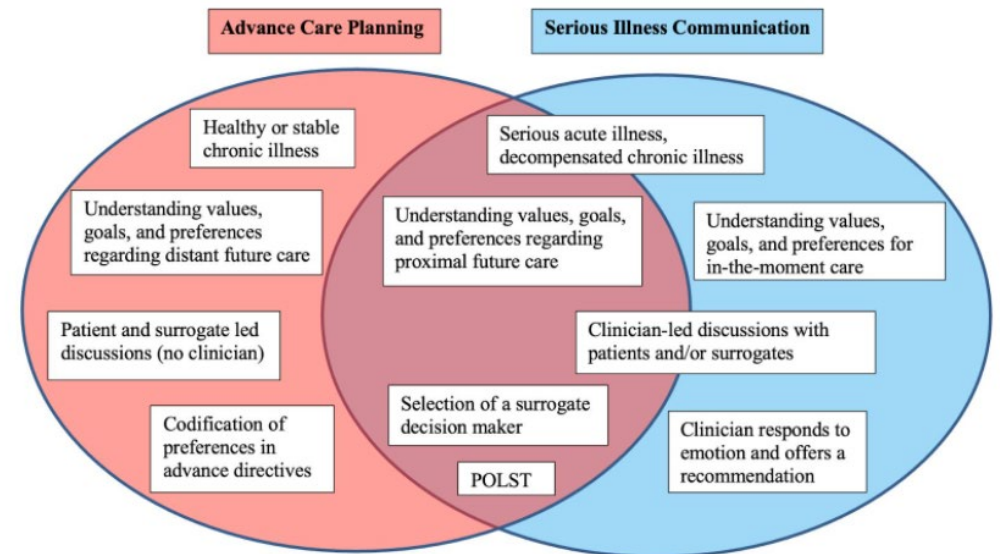


- How do you **ASSESS** and **ACT** on **WHAT MATTERS** to People Living with Dementia and Their Care Partners?
  - What is important to you today?
  - What brings you joy?
  - What concerns you most when you think of your healthcare and your future?
  - What things about your health care do you find too bothersome or difficult?
- Advance Care Planning and Serious Illness Communication
- Care Partner Support
  - Train to identify delirium

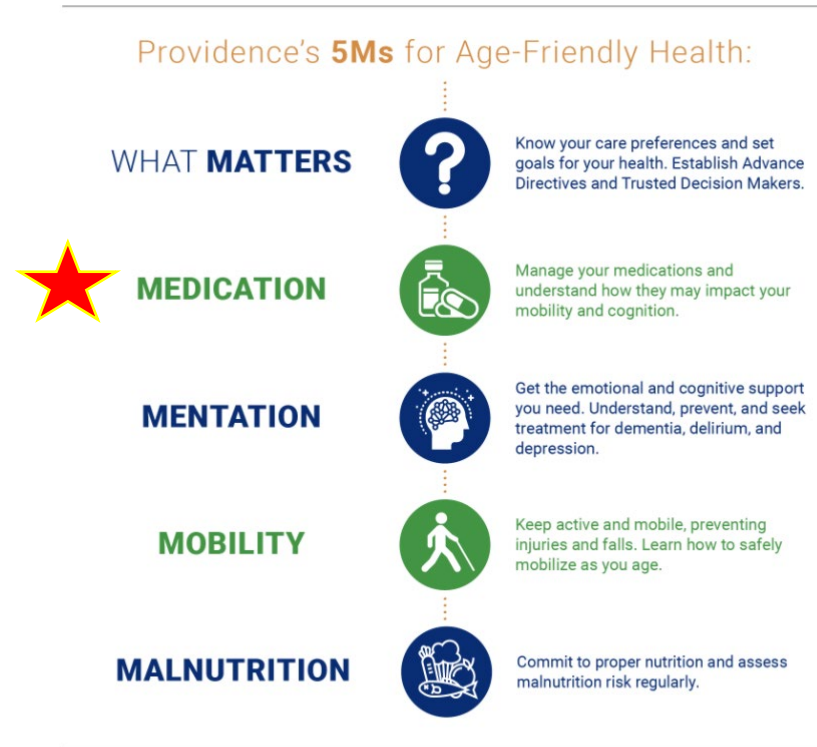
# Prevention of Delirium in Dementia: What Matters

- Know that Advance care planning (ACP) is an individual **PROCESS** where there will be areas of overlap with Serious illness communication and sometimes a lot of uncertainty!
- As a **PROCESS** we should try to adopt a guiding **FRAMEWORK** for ACP:
  - Ask about illness understanding
  - Give a patient-centered prognosis
  - Discuss values/goals
  - Make a recommendation

Figure: Areas of Distinction and Overlap between Advance Care Planning and Serious Illness Communication



# Prevention of Delirium in Dementia: Meds



Providence is a pioneering partner in creating the Age-Friendly Health System initiative with IHI, the John A. Hartford Foundation, and CHA.



- Assess and Act on Medications that can cause Delirium
- If a medication is needed:
  - Choose one that does not interfere with
    - Mobility
    - Mentation
    - Matters Most

# Prevention of Delirium in Dementia: Meds

Providence's **5Ms** for Age-Friendly Health:

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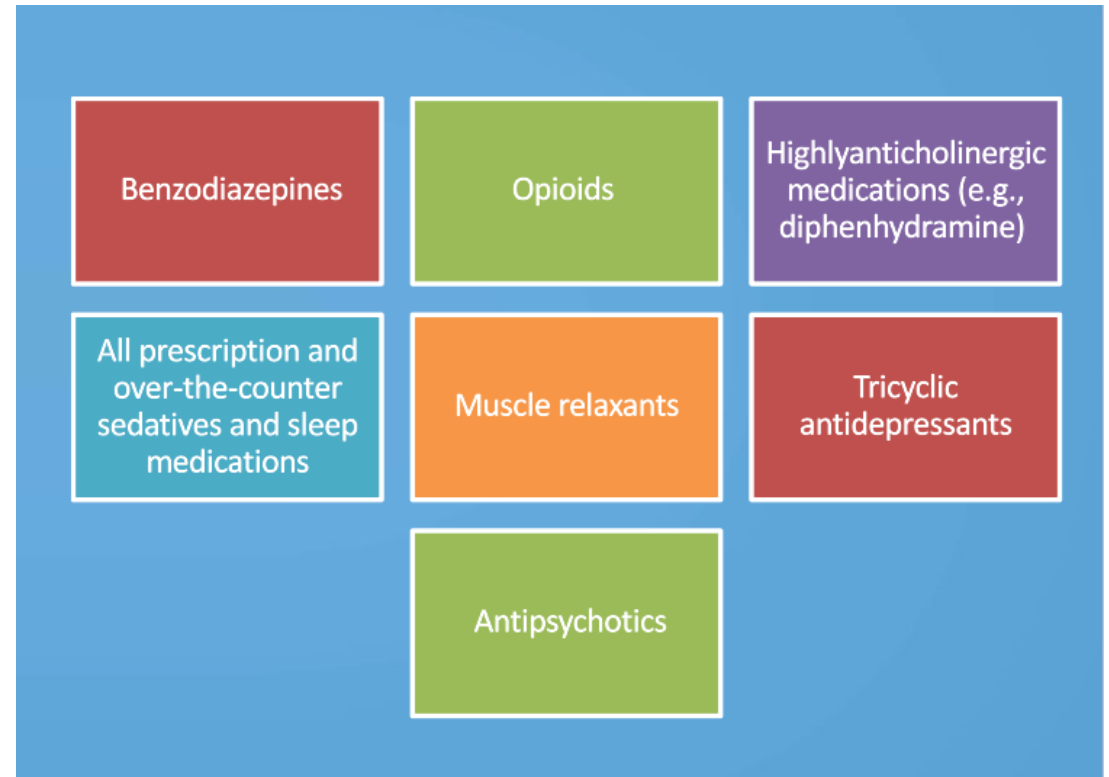


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## Identify High-Risk Meds



[Home](#) [About ACB](#) [Medicines Scorecard](#) [Admin login](#)

Start typing...



Many of the medications that we commonly prescribe have anticholinergic properties.



# Prevention of Delirium in Dementia: Meds

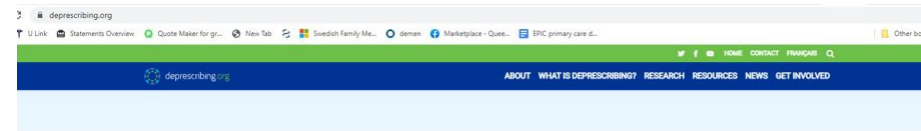
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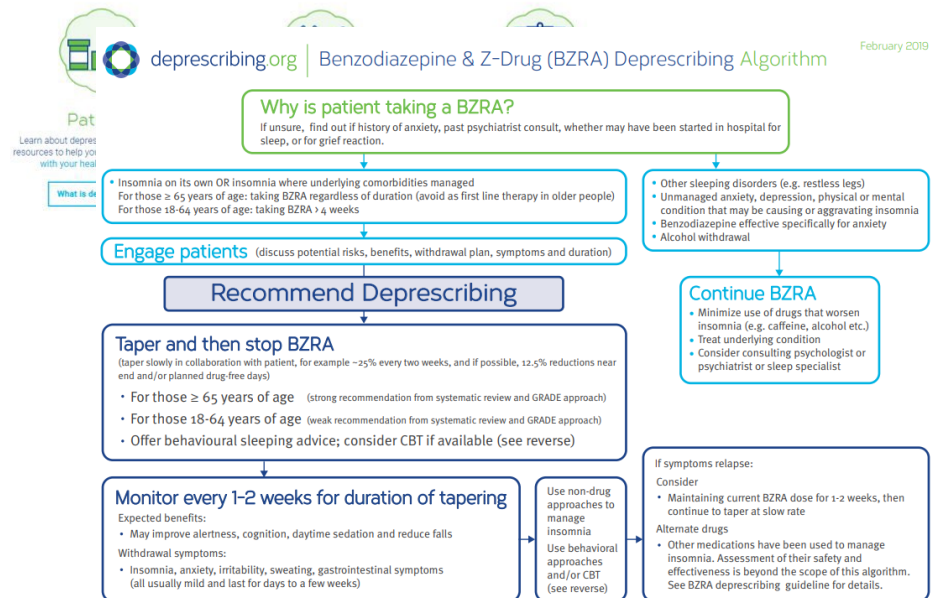
Providence is a pioneering partner in creating the Age-Friendly Health System initiative with IHI, the John A. Hartford Foundation, and CHA.



## deprescribing.org/



Be part of the change for a better quality of life








# Prevention of Delirium in Dementia: Meds



**Matt Mesias**  
@mpmesias



Replying to @Carrie\_Ruby @providence and 6 others

What they said! For PCPs I think about prevention via avoiding potentially inappropriate  and making sure the 's are regular. We see way too many stool balls leading to delirium 

10:00 AM · Mar 4, 2022 · Twitter for iPhone

# Prevention of Delirium in Dementia: Mentation

## Providence's 5Ms for Age-Friendly Health:

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- Early detection of dementia!
- Screen for depression and treat
- Address social isolation and loneliness
- Care Partner Well-Being



# Prevention of Delirium in Dementia: Early Detection

## Mini-Cog®

Instructions for  
ID: \_\_\_\_\_

### Step 1: Three Word Registration

Look directly at person and say, "Please listen carefully. I am going to me now and try to remember. The words are [select a list of word me now." If the person is unable to repeat the words after three atte

The following and other word lists have been used in one or more cl use of an alternative word list is recommended.

Version 1	Version 2	Version 3	Ver
Banana	Leader	Village	Ri
Sunrise	Season	Kitchen	Na
Chair	Table	Baby	Fir

### Step 2: Clock Drawing

Say: "Next, I want you to draw a clock for me. First, put in all of the say: "Now, set the hands to 10 past 11."

Use preprinted circle (see next page) for this exercise. Repeat instr 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: " remember?" Record the word list version number and the person's :

Word List Version: \_\_\_\_\_ Person's Answers: \_\_\_\_\_

## Brief Cognitive Screen

**Clock Drawing**

Select multiple options (F5)

1-Circle Drawn  
1-Correct Numbers  
1-Correct Time

Comments (Alt+M)

10/14/21 1200

**Verbal Fluency**

Select multiple options (F5)

2 - Twelve Animals Named  
0 - Zero to Eleven Animals Named

Comments (Alt+M)

10/14/21 1200

**Delayed Recall**

Select multiple options (F5)

1 - Train  
1 - Egg  
1 - Hat  
1 - Chair  
1 - Blue

Comments (Alt+M)

## MONTREAL COGNITIVE ASSESSMENT (MOCA®)

Version 8.1 English

**VISUOSPATIAL / EXECUTIVE**

**NAMING**

**MEMORY**

Read list of words, subject must repeat them. Do 2 trials, even if 1st trial is successful. Do a recall after 5 minutes.

	FACE
1 <sup>ST</sup> TRIAL	
2 <sup>ND</sup> TRIAL	

**ATTENTION**

Read list of digits (1 digit/ sec.). Subject has to repe

Subject has to repe

Read list of letters. The subject must tap with his hand at each letter A. No points if [ ] F B A C

Serial 7 subtraction starting at 100. [ ] 93 [ ] 86  
4 or 5 correct subtractions: 3 pts.

**LANGUAGE**

Repeat: I only know that John is the one to help today. [ ]  
The cat always hid under the couch when dogs v

Fluency: Name maximum number of words in one minute that begin with th

**ABSTRACTION**

Similarity between e.g. banana - orange = fruit [ ]

**DELAYED RECALL**

(MIS)	Has to recall words WITH NO CUE	FACE	VELVET
[ ]	[ ]	[ ]	[ ]

# Prevention of Delirium in Dementia: Mobility

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MOBILITY



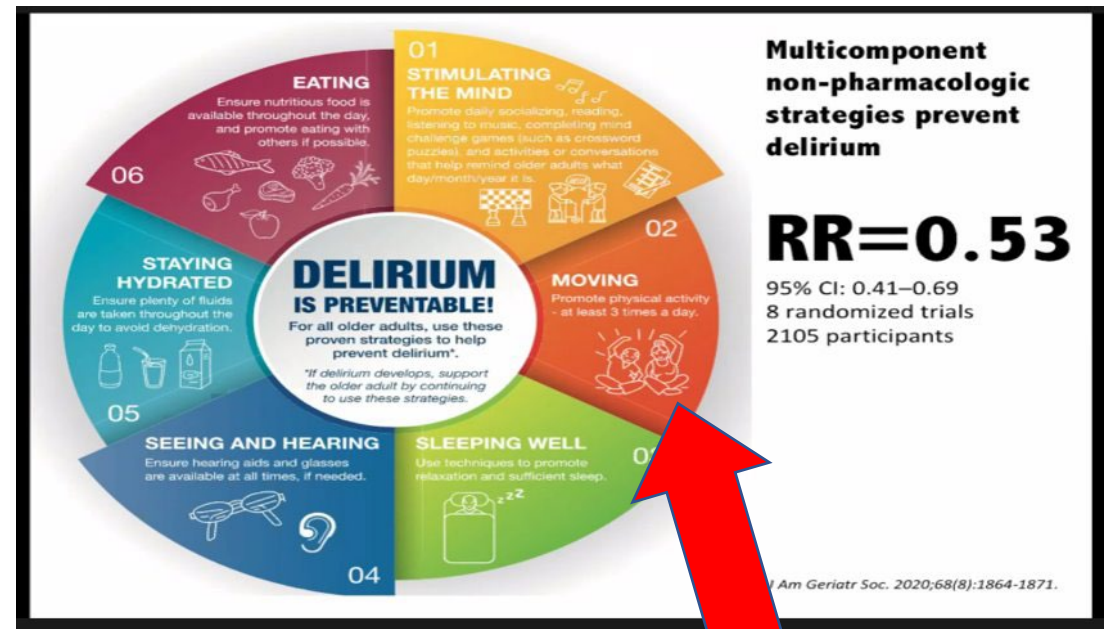
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MALNUTRITION



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# Prevention of Delirium in Dementia: Malnutrition/Dehydration

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 MALNUTRITION



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## • Nutrition/Hydration

- Dehydration can lead to decreased brain perfusion
- With aging and dementia: decreased thirst response, inattention (may not sit and complete a full serving of fluids), swallowing difficulties
- Malnutrition has been correlated with delirium risk
- Coach people and care partners on how to prevent this



# Prevention of Delirium in Dementia: Dehydration

1. Keep water close.
2. Set hydration reminders.
3. Invest in adapted drinking aids.
4. Stay hydrated with tasty, nutritious snacks.
5. Use mirroring to encourage hydration.
6. Make drinking breaks part of routine activities.
7. Stay comfortable and cool.
8. Provide their favorite drinks.

# Prevention of Delirium in Dementia: Malnutrition/MIND

## WHAT'S ON THE **MIND DIET?**

 AT LEAST **THREE SERVINGS** OF WHOLE GRAINS EACH DAY

AT LEAST ONE DARK GREEN SALAD AND ONE OTHER VEGETABLE EACH DAY



**BERRIES AT LEAST TWICE A WEEK**

 AT LEAST A ONE-OUNCE SERVING OF NUTS EACH DAY 

  
**BEANS OR LEGUMES AT LEAST EVERY OTHER DAY**

**POULTRY AT LEAST TWICE A WEEK**



  
**FISH AT LEAST ONCE A WEEK**

NO MORE THAN ONE TABLESPOON A DAY OF BUTTER OR MARGARINE; CHOOSE OLIVE OIL INSTEAD

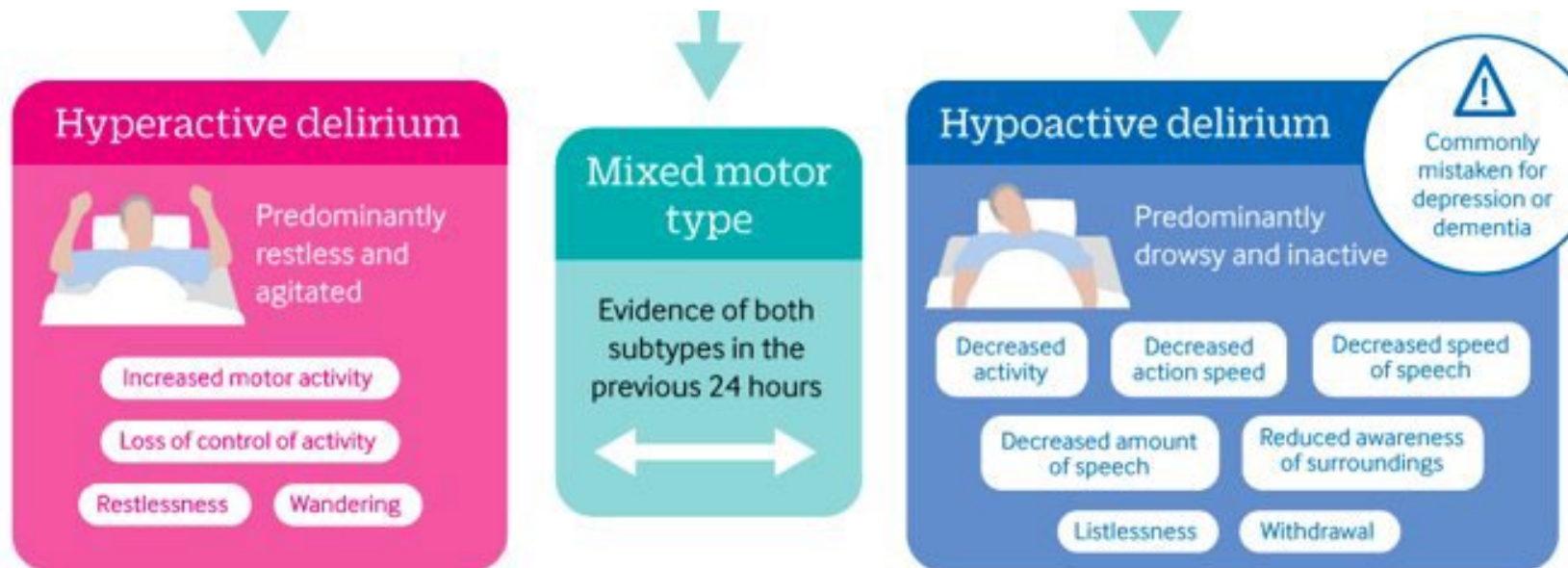


CHEESE, FRIED FOOD AND FAST FOOD NO MORE THAN ONCE A WEEK

**PASTRIES AND SWEETS LESS THAN FIVE TIMES A WEEK** 

- Nutritional deficiencies can put people at risk for delirium
- MIND stands for Mediterranean-DASH Intervention for Neurodegenerative Delay. It is similar to two other healthy meal plans: DASH and the Mediterranean diet.
- MIND diet is associated with a slower rate of cognitive decline

# Delirium in Dementia: What Does it Look Like?





# Delirium in Dementia:

## What Does it Look Like and How Do you Screen for it?



Assessment test  
for delirium &  
cognitive impairment

Patient name: \_\_\_\_\_ (label)  
Date of birth: \_\_\_\_\_  
Patient number: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Tester: \_\_\_\_\_

### [1] ALERTNESS

This includes patients who may be markedly drowsy (eg. difficult to rouse and/or obviously sleepy during assessment) or agitated/hyperactive. Observe the patient. If asleep, attempt to wake with speech or gentle touch on shoulder. Ask the patient to state their name and address to assist rating.

Normal (fully alert, but not agitated, throughout assessment)	0
Mild sleepiness for <10 seconds after waking, then normal	0
Clearly abnormal	4

### [2] AMT4

Age, date of birth, place (name of the hospital or building), current year.

No mistakes	0
1 mistake	1
2 or more mistakes/untestable	2

### [3] ATTENTION

Ask the patient: "Please tell me the months of the year in backwards order, starting at December."  
To assist initial understanding one prompt of "what is the month before December?" is permitted.

Months of the year backwards	Achieves 7 months or more correctly	0
	Starts but scores <7 months / refuses to start	1
	Untestable (cannot start because unwell, drowsy, inattentive)	2

### [4] ACUTE CHANGE OR FLUCTUATING COURSE

Evidence of significant change or fluctuation in: alertness, cognition, other mental function (eg. paranoia, hallucinations) arising over the last 2 weeks and still evident in last 24hrs

No	0
Yes	4

4 or above: possible delirium +/- cognitive impairment  
1-3: possible cognitive impairment  
0: delirium or severe cognitive impairment unlikely (but delirium still possible if [4] information incomplete)

4AT SCORE

### Confusion Assessment Method (CAM)

Short form

<b>The diagnosis of delirium by CAM requires the presence of BOTH</b>		
<b>CAM</b> Confusion Assessment Method	<b>A. Acute onset</b>	Is there evidence of an acute change in status from patient baseline?
	and	Does the abnormal behavior:
	<b>Fluctuating course</b>	<ul style="list-style-type: none"> <li>&gt; come and go?</li> <li>&gt; fluctuate during the day?</li> <li>&gt; increase/decrease in severity?</li> </ul>
	<b>B. Inattention</b>	Does the patient:
	<ul style="list-style-type: none"> <li>&gt; have difficulty focusing attention?</li> <li>&gt; become easily distracted?</li> <li>&gt; have difficulty keeping track of things?</li> </ul>	
<b>AND the presence of EITHER feature C</b>		
<b>C. Disorganized thinking</b>	Is the patient's thinking	<ul style="list-style-type: none"> <li>&gt; disorganized</li> <li>&gt; incoherent</li> </ul>
	For example does the patient have:	<ul style="list-style-type: none"> <li>&gt; rambling speech/irrelevant</li> <li>&gt; unpredictable switching of topics</li> <li>&gt; unclear or illogical flow of ideas</li> </ul>
<b>D. Altered level of consciousness</b>	Overall, what is the patient's level of consciousness:	<ul style="list-style-type: none"> <li>&gt; alert (normal)</li> <li>&gt; vigilant (hyper-alert)</li> <li>&gt; lethargic (drowsy but easily aroused)</li> <li>&gt; stuporous (difficult to rouse)</li> <li>&gt; comatose (unrousable)</li> </ul>

## The Family Confusion Assessment Method (FAM-CAM) Instrument and Training Manual

Please address questions to:

Sharon K. Inouye, M.D., MPH  
Aging Brain Center  
Institute for Aging Research  
Hebrew SeniorLife  
1200 Centre Street  
Boston, MA 02131  
Phone: (617) 971-5390  
Fax: (617) 971-5309  
Email: [AgingBrainCenter@hsl.harvard.edu](mailto:AgingBrainCenter@hsl.harvard.edu)

# Delirium in Dementia: Train our care partners!

## Family Confusion Assessment Method (FAM-CAM) For Research and Clinical Staff

**Evaluator:**

**Caregiver/Informant:**

**Date:**

**Patient:**

**Time:**

[Screening for an appropriate caregiver is recommended: See Instructions]

### Circle the answer to each question

These questions are intended to identify changes to [family member's name] thinking, concentration, and alertness during recent days. Please stop me at any time if you do not understand the questions.

- |   |     |    |            |
|---|-----|----|------------|
| 1. I'd like you to think about the past [month/week/day]*. During this [month/week/day]*, have you noticed any changes in his/her thinking or concentration, such as being less attentive, appearing confused or disoriented (not knowing where he/she was), behaving inappropriately, or being extremely sleepy all day? | Yes | No | Don't Know |
| * Adjust time frame as appropriate for your purposes  |     |    |            |
| 2. Did he/she have difficulty focusing attention, for example, being easily distracted or having trouble keeping track of what you were saying at any time?   | Yes | No | Don't Know |
| 3. Was his/her speech disorganized, incoherent, rambling, unclear, or illogical at any time?  | Yes | No | Don't Know |
| 4. Did he/she seem excessively drowsy or sleepy during the daytime at any time?   | Yes | No | Don't Know |
| 5. Was he/she disoriented, for example, thinking he/she was somewhere other than where he/she was, or misjudging the time of day at any time?   | Yes | No | Don't Know |
| 6. Did he/she seem to see or hear things which weren't actually present, or seem to mistake what he/she saw or heard for something else at any time?  | Yes | No | Don't Know |
| 7. Did he/she behave inappropriately, such as wandering, yelling out, or being combative or agitated at any time?   | Yes | No | Don't Know |

8. Please tell us more about the changes you noticed in any of the behaviors in #1-7 above.  
*Record as much detail as possible*

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9. Were any of the changes (#1-7) present all the time, or did they come and go from day to day?

All the time    Come and go    Don't know

10. When did these changes first begin? Would you say they began:

Within the last week  
Between 1 and up to 2 weeks ago  
Between 2 and up to 4 weeks ago  
More than 4 weeks ago

11. Overall, have these changes been getting better, worse, or staying about the same?

Better    Worse    About the Same    Don't Know

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# Delirium in Dementia: Train our care partners!



**Aroonsiri (June) Sangarlangkarn MD MPH FACP @Aroonsi...** · Mar 2 · ...

Replying to [@Carrie\\_Ruby](#) [@providence](#) and 6 others

Great topic! Must detect to manage, caregivers can be trained to do CAM, then basic understanding of common causes (drugs, infection) so they know what to look out for

Believe anyone can do these things, no MD needed, and no one knows pt better than caregivers!

# Delirium in Dementia: Perioperative Considerations

- Risk stratify people pre-operatively
  - Understand risks
    - surgery and anesthesia are potent stimuli to the development of delirium
    - surgery can trigger neuroinflammation
  - Update cognitive evaluation
  - Identify and try to deprescribe high risk meds
  - Discuss what matters most
    - discuss risks and optimize them and understand/balance benefits



Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia, April 2020

# Choosing What Matters, Doing What Works

## Patient Priorities Care – M. Tinetti, MD

- <https://patientprioritiescare.org/patient-facing-materials/>
- <https://patientprioritiescare.org/what-is-patient-priorities-care-and-why-is-it-important/>

### Patient's Health Priorities are identified

- Values (What Matters Most)
- Actionable, specific and realistic health outcome goals
- Healthcare preferences (care that is helpful or burdensome) and tradeoffs
- "One Thing" patient most wants to address

# Aligning Care With Patient's Priorities

Clinicians consider whether current or potential interventions\* are consistent with patient's health priorities and health trajectory.

\*Medications, self-management tasks, supportive services, testing, procedures, etc.

## Clinicians use patient's priorities

- as focus of communication and decision-making,
- as target of serial trials to start, stop or continue interventions, and
- to reconcile decisions among clinicians when different perspectives or recommendations exist.

**Clinicians, patients and care partners work together**

**What Matters most (Values):**

Spend time with family, Volunteering - link to community,  
Mobility/Activity - handling books

**Most Important Health Goals:** Health goals are specific and realistic activities or outcomes that show you are doing what matters most in your life. These health goals are what you want to achieve with your healthcare.

1. Watch grandchildren after school 2-3 times weekly
2. Volunteer in library, handling books, two times weekly

**Most Bothersome Symptoms or Problems interfering with your health goals:**

1. Fatigue
2. Hand pain

**Health care preferences (Helpful and burdensome care and medications)**

**Helpful care:** self-management tasks, clinical visits, tests, or procedures, that you think are helping most with your health goals and you can do them without too much difficulty

1. Exercise, physical therapy
2. Bloodwork and imaging

**Helpful medications:** Medications you think are helping most with your health goals and you can take without too much difficulty

1. Acetaminophen for arthritis pain

**Burdensome care:** self-management tasks, clinical visits, tests, or procedures that don't think are helping your goals and are burdensome or too difficult. You should talk with your doctor about whether these are helping your goals. If not, can you stop them or cut back? If they are helping, is there a way to make them less burdensome or less difficult?

1. CPAP
2. Being in the hospital

**Burdensome medications:** Medications you don't think are helping your goals and are too burdensome. You should talk with your doctor about whether these are helping your goals. If not, can you stop or decrease? If they are helping, is there a way to make them less burdensome?

1. Taking multiple medications daily

**The One Thing:** Your most important health goal is being less tired, having less pain in my hands so that I can continue to watch my grandchildren and volunteer in the library handling books more often or more easily.



# Prevention of Delirium in Dementia: Handoffs

## EPIC: Age-Friendly SnapShot

4M - Mobility, Mentation, Medication and What Matter Most

**Mobility:**

Mobility

	Value	Time	User
Fall Risk	Low Risk	7/23/2019 1:12 PM	Andrew McGlone, MD

**Dementia:**

Depression Mentation/Dementia Screening

	Value	Time	User
PHQ-2 Score	0	7/19/2018 9:28	Joan Buck, MA
Mini Cog -	5	7/1/2019 9:01 AM	Andrew McGlone, MD
Total Score			
Mini Cog -	Negative	7/1/2019 9:01 AM	Andrew McGlone, MD
Score Results	Screening for Dementia		

**What Matters Most:**

What Matters Most Questionnaire

	Most Recent Value
What Matters to the	Spending time with Family Filed at 07/23/2019 1329

**Medication:**

Potentially High Risk Medication for Geriatric Patients (age 65 and older)

Nonsteroidal Anti-inflammatory Agents (NSAIDs)

	Disp	Start	End
celecoxib (CELEBREX) 200 MG capsule	30 Capsule	4/16/2019	

Sig: TAKE ONE CAPSULE BY MOUTH EVERY DAY

**Molst:**

MOLST Form

**Emergency Contact:**

Emergency Contacts

Contact Person (Rel.)	Home Phone	Work Phone	Mobile Phone



# Objectives: Reprise

1. We've reviewed Age-Friendly Health Systems 5M Framework.
2. We understand better delirium risks **from the Primary Care perspective.**
3. We can use the Age-Friendly Health Systems 5Ms Framework to actively prevent delirium in persons living with dementia.
4. We have learned about a tool called Patient Priorities Care and how you can use it in your practice

# Thank you and Resources for Your Practice!

- [Geripal ACP&Serious Illness Communication](#)
- [Dementia Roadmap](#)
- <https://deprescribing.org/>
- [Age-Friendly Health Systems](#)
- <https://patientprioritiescare.org/patient-facing-materials/>
- <https://www.vitaltalk.org/>
- [Serious Illness Conversation Guide - 2020.pdf](#)
- <http://www.acbcalc.com/>
- [FAM-CAM tool](#)

# Case Presentation

## Common patient concerns



The slide features a white background with decorative geometric shapes in the corners. The top right corner contains a red triangle pointing down and a blue triangle pointing up. The bottom left corner contains a blue triangle pointing up. The text 'Thank you!' is centered on the page.

# Thank you!

This material was prepared by Mountain-Pacific Quality Health, a Medicare Quality Innovation Network-Quality Improvement Organization (QIN-QIO), under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services (HHS). Views expressed in this material do not necessarily reflect the official views or policy of CMS or HHS, and any reference to a specific product or entity herein does not constitute endorsement of that product or entity by CMS or HHS. 12SOW-MPQHF-AS-NH-03/22-122