INTELLECTUAL DISABILITY AND DEMENTIA PRACTICE



MATTHEW P. JANICKI, PhD

University of Illinois Chicago

National Task Group on Intellectual Disabilities & Dementia Practice

THOMAS BUCKLEY, Ed.D.

CARF International Board of Trustees

Tucson, Arizona

JANUARY 16, 2023 – PHOENIX, AZ





TODAY'S SPEAKERS



Matthew P. Janicki, Ph.D. is the co-chair of the US National Task Group on Intellectual Disabilities and Dementia Practices, as well as a research associate professor in the Department of Disability and Human Development at the University of Illinois Chicago. Formerly, he was director for aging and special populations for the New York State Office for People with Developmental Disabilities. Currently, he is leading a study of specialized group homes designed for dementia related care of adult with intellectual disabilities.



Seth M. Keller, MD is a neurologist and the co-President of the National Task Group in Intellectual Disabilities and Dementia Practices. He maintains a neurology practice in New Jersey and is a past-President of the American Academy of Developmental Medicine and Dentistry as well as the founding chair of the Intellectual Disabilities Interest Group within the American Academy of Neurology.



Thomas J. Buckley, Ed.D. serves as a consultant to several provider organizations, functions as an expert witness on disability discrimination suits, and serves on the Board of CARF. He was instrumental in aiding several organizations with setting up dementia-capable services for individuals with intellectual disabilities and is the author of numerous useful guides and products focusing on dementia care planning.

INTRODUCTION & OBJECTIVES

QUICK OVERVIEW OF DEMENTIA AND WHAT DOES IT MEAN

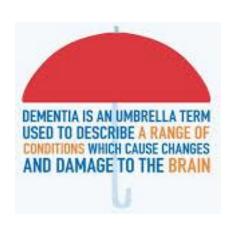
CONTENT

- Basics Dementia and Intellectual Disabilities
- Federal and National Perspectives
- Dementia Processes
- Dementia Services and Supports
- Medical and Health Factors
- Individualized Care and Meeting Standards

ALZHEIMER'S VS. DEMENTIA

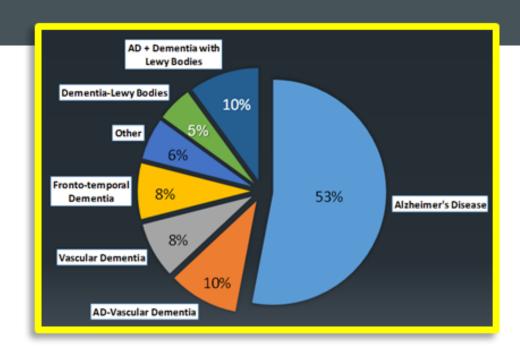


Alzheimer's disease is the name of a neuropathology — or brain disease — that leads to general dysfunction



Dementia is the behavioral expression of the brain disease – usually via memory loss and behavioral dysfunction

... losses occur in memory, language skills, orientation, ADLs [activities of daily living], and changes in personality and global functioning



Causes of dementia among aging adults

- Alzheimer's disease
- Stroke and related vascular accidents
- Neurological diseases (Parkinson's)
- Idiopathic changes in the brain (Lewy, FTD)

INTELLECTUAL DISABILITY (ID)

Characterized by

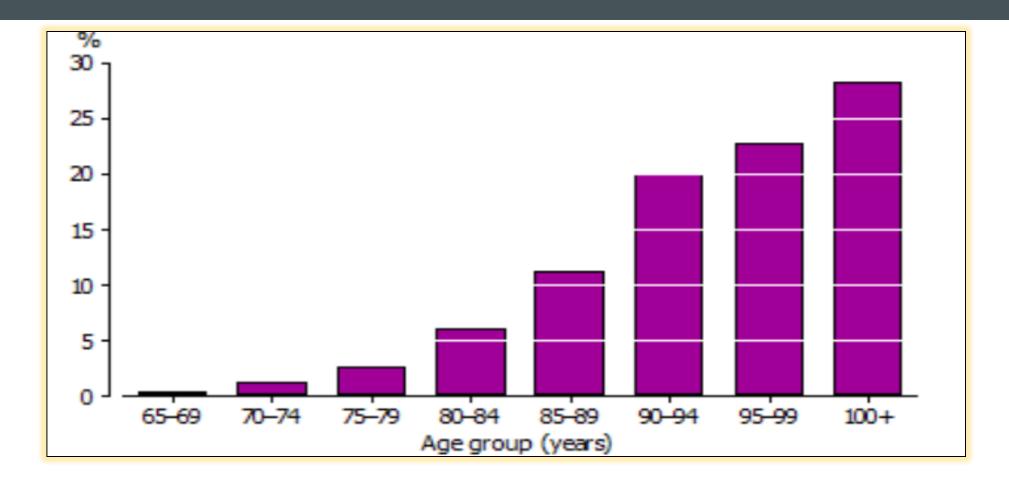
- Below normative intellectual functioning, due to cognitive impairment (organic or functional) present since birth or infancy
- Not a mental illness or psychiatric impairment
- Varies in degree and co-impairment
- Compensated by training, education, remediation, habilitation, supports for life activities

Down syndrome is a chromosomal abnormality present at birth (#21) associated with ID – In adults, age 40+, occurs in 10-12% of agency clientele

Developmental disabilities

- Neuro-developmental conditions leading to impairments in physical, learning, language, or behavior areas
- Originate in the developmental period, may impact day-to-day functioning, and usually last throughout a person's lifetime
- Intellectual disability is one of the developmental disabilities

PROPORTION OF AGE GROUPS IDENTIFIED AS HAVING DEMENTIA OR ALZHEIMER'S DISEASE



THE 'NAPA' & NTG

NATIONAL ALZHEIMER'S PROJECT ACT

THE 'NAPA'

The National Alzheimer's Project Act required the creation of a national strategic plan to address the rapidly escalating Alzheimer's disease crisis and calls for coordination of Alzheimer's disease research and caregiver support efforts by the federal government

- National Alzheimer's Project Act (became law in early 2011)
 - Requires DHHS to submit an annual Alzheimer's plan to Congress – from 2012 to 2025
- Administered by federal **Department on** Health Human Services (DHHS)
- Advisory Council on Alzheimer's Research,
 Care, and Services
 - Council composed of Presidential appointees and federal agency staff
 - Creates the National Plan to Address
 Alzheimer's Disease with annual updates

National Plan called for -- among other things....

- ☑ Issuance of practice guidelines for care and supports and expanded public education
- ☑ Promotion of assessment tool for detection of cognitive impairment as part of the annual wellness visit
- ☑ Enhanced supports for caregivers
- ☑ Expanded research
- ☑ Special population focus I/DD

First released on May 15, 2012 Will be updated annually until 2025!



IMPLICATIONS OF NAPA FOR PROVIDERS?

- Tie-in to State Alzheimer's Plans' objectives
 - https://aspe.hhs.gov/pdf-document/national-plan-address-alzheimers-disease
- GWEPs* enhancing the capacity of the workforce (working in dementia-related areas)
 - http://bhw.hrsa.gov/grants/geriatricsalliedhealth/index.html
- Potential implications of CMS' Setting Rule Dementia housing
 - https://www.medicaid.gov/medicaid/hcbs/index.html
- CDC's Healthy Brain Initiative
 - http://www.cdc.gov/aging/healthybrain/index.htm
- Alzheimer's Disease Program Initiative Annual funding call-out
 - http://www.aoa.acl.gov/AoA_Programs/HPW/Alz_Grants/
 - ID-oriented grant projects funded in various states



'My Thinker's Not Working'

The **National Task Group** is a not-for-profit corporation charged to advocate, educate, provide technical assistance and program protocols, and guide public policy. Its members are composed of provider agency personnel, clinicians, academics, government officials, family members, and others.



The NTG is associated with the National Down Syndrome Society, is part of the LEAD Coalition in Washington, and has connections with university aging programs and community organizations.

Mission...

- ✓ To define best practices that can be used by agencies in delivering supports and services to adults with intellectual disabilities affected the various dementias
- ✓ To identify a workable national a 'first-instance' early detection / screening instrument
- ✓ To produce educational materials of use to families, people with ID, and providers of services
- ✓ To further public policy with respect to dementia as it affects adults with intellectual disabilities

www.the-ntg.org

THE FUNCTIONS OF THE 'NTG'

Advocacy

Education & training

Family aids

Policy

Information dissemination

Diagnostics and assessment

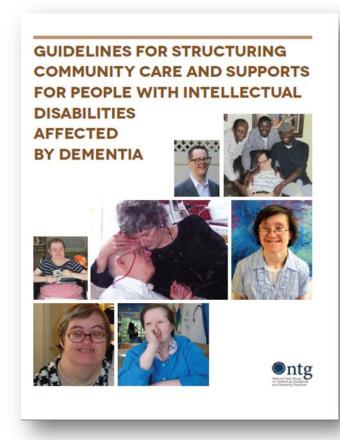
National and international connections



NTG GUIDELINES



Health advocacy



Community living & supports



DIAGNOSS AND TREATMENT GUIDELINES

The National Task Group on Intellectual Disabilities and Dementia Practices Consensus Recommendations for the Evaluation and Management of Dementia in Adults With Intellectual Disabilities

Jule A. Moran, DO; Michael S. Rafli, MD, PhD; Seth M. Keller, MD; Baldev K. Singh, MD; and Matthew P. Janicki, PhD

Adults with intellectual and developmental disabilities (VDD) are increasingly presenting to their health case professionals with concerns related to growing older. One particularly challenging clinical question is selated to the evaluation of asspected cognitive decline or dementia in older adults with LOD, a question that most physicians feel ill-prepared to answer. The National Task Group on Intellectual Disabilities and Dementia Practices was convened to help formally address this topic, which remains largely underrepresented in the medical literature. The task group, comprising operialities who work extensively with adults with 100 h, an promisipized the following Commentes Recommendations for the Evaluation and Management of Demonta in Adults With Interfectual Disabilities. as a framework for the practicing physician who seeks to approach this clinical question practically, thoughtfully, and comprehensively.

0 2000 Hop Fandstin for Hedge Education and Remarch # May Clin Proc. (E.C. away 1-1)

he National Tais Group on Intellectual address the requirements of the National Disabilities and Demostia Practices Alabeimer's Project Act. transferral and developmental disabilities related to dementia in adults with intellectual of Catter Landauge (VDD) who are effected or will be affected by disabilities, and (3) the identification of models. Alzheimer'i disesse und relaxed disorders of community-rosest support in the New Annual Processor of Processor Section (New York of Processor Section (New search and Training Center on Aging With
"My Thriber's Not Working: A National Strategy
Developmental Disabilities—Life span Health for Enabling Adults With Intellectual Disabilities and Punction at the University of Elizois at Affected by Denore is to Remain in Their Gross Chicago, and the American Association on in-

(NTG) was formed as a response to the Among the NTG's charges were (1) the crea-National Alcheimer's Project Act, legislation tion of an early detection screen to help document signed into law by President Barack Obama. suspicions of dementa-related decline in adults One objective of the NTG is to highlight with intellectual disabilities, (2) the development. Seven have the additional needs of individuals with of practiceguidelines for health care and supports Alabelmer's disease and related disorders. of community-based support and long-term

tellectual and Developmental Disabilities Asubgroup of the NTG was formed to focus combined their efforts to form the NTG to specifically on health practices. The guidelines to some that the constraints of the second of the s ensure that the concerns and needs of people and recommendations outlined in this docuwith intellectual disabilities and the ir families. Items represent the consensus reached among attack and Testing. when affected by dementia, are and continue said specialists at 2 plenuty meetings and to be considered as part of the National Plan ongoing discussions that followed, informed to Address Alsheimer's Disease seems to by a seriew of the current literature and drawn benefits that the control of the current literature and drawn

Hose Circ Proc. at XXX 2013 and 41-10 at http://dx.dd.org/10.0045.margin.2010.04004

Diagnostics and medical care

KEY FEATURES AND ISSUES

DEMENTIA PROCESSES AND INTELLECTUAL DISABILITY

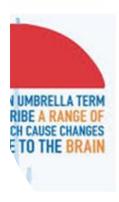
WHY SOMETHING TO THINK ABOUT?

- Dementia is the result of a brain disease or injury, such as Alzheimer's disease, Lewy body disease, or a brain injury or trauma
- With progression an adult with dementia is increasingly less able to take care of him or herself ... and requires supervision and someone to help him or her with necessities
- Main dementia care options for most agencies are to support the person in place (whether at home or in their residential accommodation), refer to a longterm care facility, or admit to a specialty dementiacapable group home
- Dealing with dementia calls upon agencies to make some critical decisions about dementia care and developing support resources

THINGS TO KNOW ABOUT DEMENTIA



Alzheimer's dise. name of a neuropati. or brain disease - that . Apatl to general dysfunction

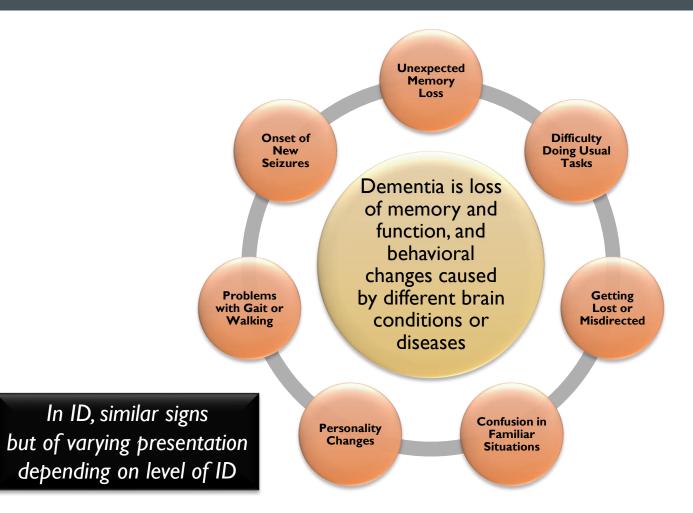


Dementia is the behaviora expression of the brain disease - usually via mem loss and behavioral dysfunction

... losses occur in memory, langur orientation, ADLs [activities of and changes in personality functioning

- **Dementia an umbrella term** for a range of changes in behavior and function affecting aging adults and usually linked to brain disease (e.g., Alzheimer's) or injury (e.g., stroke)
 - Alzheimer's is a disease of the brain dementia describes the resulting behavior
 - Most adults with Down syndrome (DS) are at high risk of Alzheimer's disease and consequently dementia; same risk as general population for adults with other ID
 - Average age of 'onset' in Down syndrome is about 53 and +60s/-70s for ID; Alzheimer's begins some 20 years before 'onset'
 - **Changes in memory** often signal dementia in ID; changes in personality often signal dementia in DS
 - After diagnosis **progressive decline in DS** can last for from 1 to 7+ years; up to 20 years in other ID
 - Care after the early stage can become more challenging as memory, selfcare, communication, and walking become more difficult... eventually leads to advanced dementia

DEMENTIA-RELATED FUNCTIONAL CHANGE



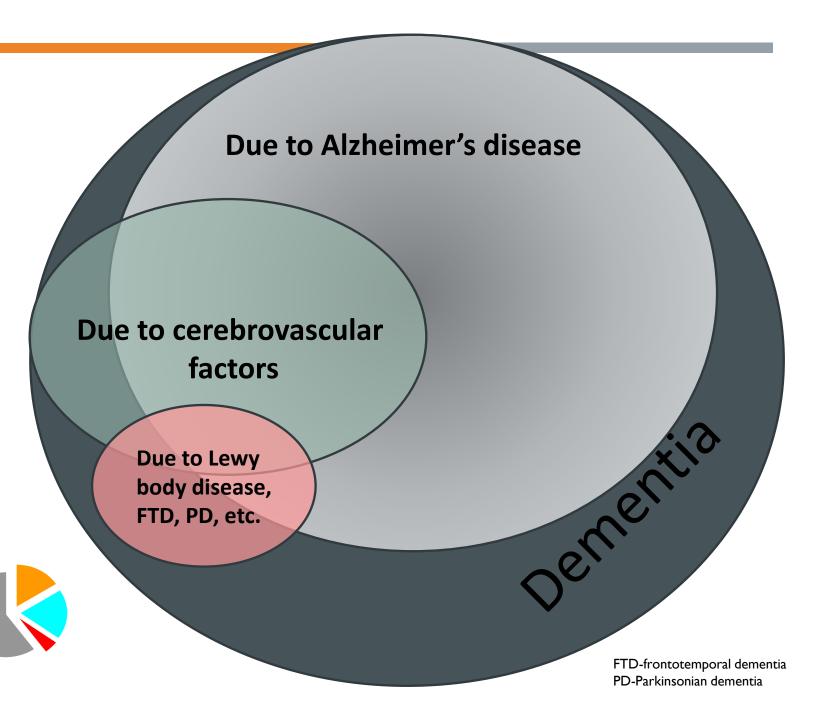
These problems must be notable and usually occur in a cluster

Alzheimer's disease pathology often co-occurs with other pathologies, particularly cerebrovascular pathology

The effects of these different pathologies are additive, and may at least interact

At later ages, mixed dementia is very common, and additional pathologies remain to be identified

Pie chart illustrations can be misleading...



KEY WARNING SIGNS OF DEMENTIA IN DOWN SYNDROME

- Adults with Down syndrome are at high
 risk for Alzheimer's disease and dementia
- Researchers are finding that the first signs of Alzheimer's disease, some new changes to brain cells (the 'plaques and tangles'), occur some 20 years before behavioral changes will be noticed
- Researchers have also found that adults with Down syndrome **show early symptoms** in a different way...
 - Noticeable first are changes in personality and in general decision making, then in memory (in contrast memory is usually affected first in other people)



- Abrupt onset of seizures when there had been none in the past
- Incontinence when an individual has always been toileting appropriately
- Sleep/wake cycle changes or disruptions
- Loss of sociability a noticeable change in personality

KEY DIFFERENCES IN ADULTS WITH INTELLECTUAL DISABILITY

Some adults have early onset and shorter duration

- Younger-age (or early) onset is found in adults with Down syndrome and head injury
- Most adults with Down syndrome survive less than 7 years after the onset of dementia

Some differences in symptom presentation

 Most early symptoms are the same, except in Down syndrome where there are more notable early personality changes

Assessments are conducted differently

• Standard tests used with typical adults with dementia are not useful — With adults with intellectual disability need to use comparisons of the same individual over time

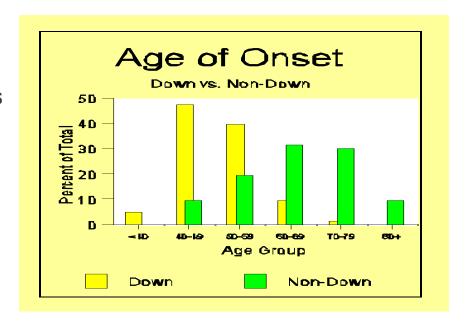
Differentiating factors - ID and dementia

Rate of occurrence ^{1,3,5,8,14}	 Age-cohort percent for adults with ID is same as in general population (~5-6% over 60) Much higher prevalence (60% >age 60) and neuropathology indicative of AD in most adults with Down syndrome (DS)
Dementia type ^{2,9}	 Generally, dementia of the Alzheimer's type is prevalent in DS Similar range of dementias found in other ID as in other people
Risk ¹⁵	> DS and head trauma are significant risk factors in ID
Onset and duration 1,2,3,10	 Average onset age in early 50s for DS – late 60s for others Most DAT diagnosed within 3 years of "onset" in adults with DS
Behavioral changes ^{2,3,6,11,12,13}	 In DS - early change in personality more evident In other ID - initial memory loss more evident Notable changes in behavior - apathy, sleep disturbance, agitation, incontinence, uncooperativeness, irritability, aggressiveness
Neurological signs ^{1,2,4,7,16,17,18,19}	 Late onset seizures in 24%-53% of adults w/DS Late onset seizures in DS indicator of life expectancy of less than 2 years, probable death within 3 years, and death almost invariably within 5 years of onset Seizures more common at end-stage (84.0%) versus at mid-stage Alzheimer's disease (39.4%)
Prognosis ^{2,17}	 Aggressive AD can lead to death <2 years of onset in DS 2-7+ years mean duration in DS; probable death within 3 years, and death usually within 5 years of onset Same duration expected among other ID as in other people

Sources: 'Janicki, M.P. & Dalton, A.J. (2000). Prevalence of dementia and impact on intellectual disability services. Mental Retardation, 38, 277-289. ²Janicki, M.P., & Dalton, A.J. (1999). Dementia, Aging, and Intellectual Disabilities: A Handbook. Philadelphia: Brunner-Mazel; ³Bush, A., & Beail, N. (2004). Risk factors for dementia and impact on intellectual disability services. Mental Retardation, 38, 277-289. ²Janicki, M.P., & Dalton, A.J. (1999). Dementia, Aging, and Intellectual Disabilities: A Handbook. Philadelphia: Brunner-Mazel; ³Bush, A., & Beail, N. (2004). Risk factors for dementia and impact on intellectual disabilities: A Handbook. Philadelphia: Brunner-Mazel; ³Bush, A., & Beail, N. (2004). Risk factors for dementia and impact on intellectual disabilities: A Handbook. Philadelphia: Brunner-Mazel; ³Bush, A., & Beail, N. (2004). Risk factors for dementia and bown syndrome. A JMR, 109, 827-27. ²Yangman, P.C. (2004). Incidence and prevalence of dementia in elderly packed, A. (2004). Risk factors for dementia in elderly packed, A. (2004). Risk factors for dementia in elderly packed, A. (2004). Risk factors for dementia in elderly packed, A. (2004). Risk factors for dementia in elderly packed, A. (2007). September of Packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly packed, A. (2007). Risk factors for dementia in elderly pa

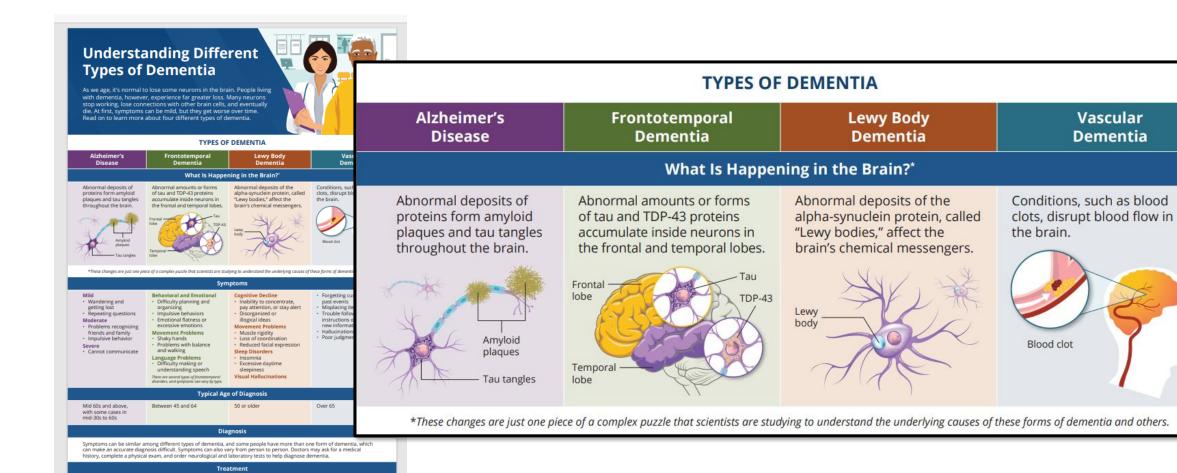
WHY IS RECOGNITION OF 'ONSET' IMPORTANT?

- Knowing expected onset gives a 'head's-up' for initiating surveillance
 - Look for changes
 - Introduce periodic screening
 - Alert staff to be watchful.
 - Provides for an 'index of suspicion'
- Helps us to begin to reformulate services and care practices
 - Creating safer environments
 - Introducing cues for movement and way-finding
 - Engaging in planning ahead for eventualities
 - Setting goals for terms of service adapting personal program plans



TYPES OF DEMENTIA

There is currently no cure for these types of dementia, but some treatments are available. Speak with your doctor to find

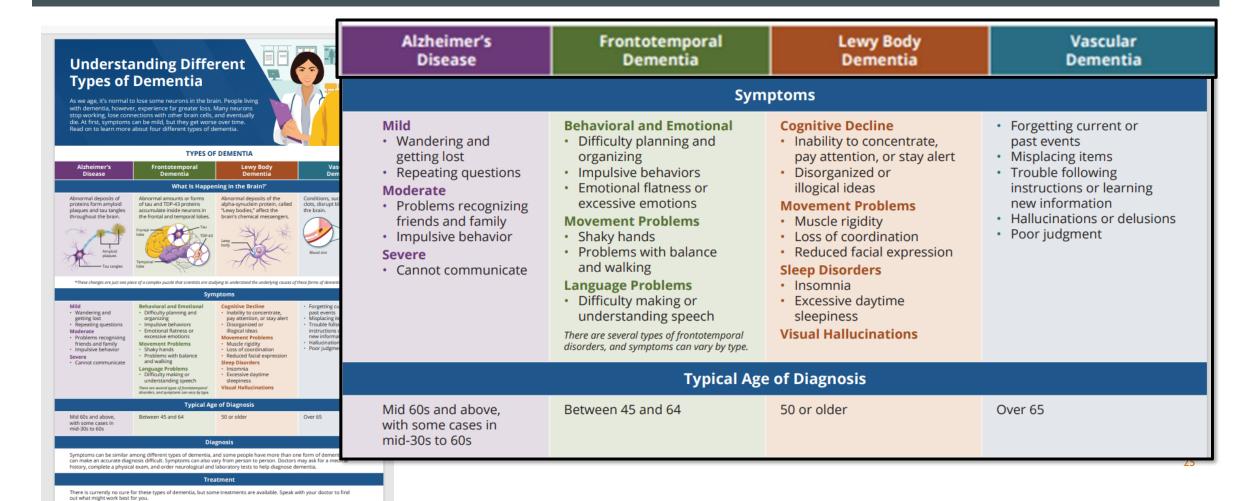


Vascular

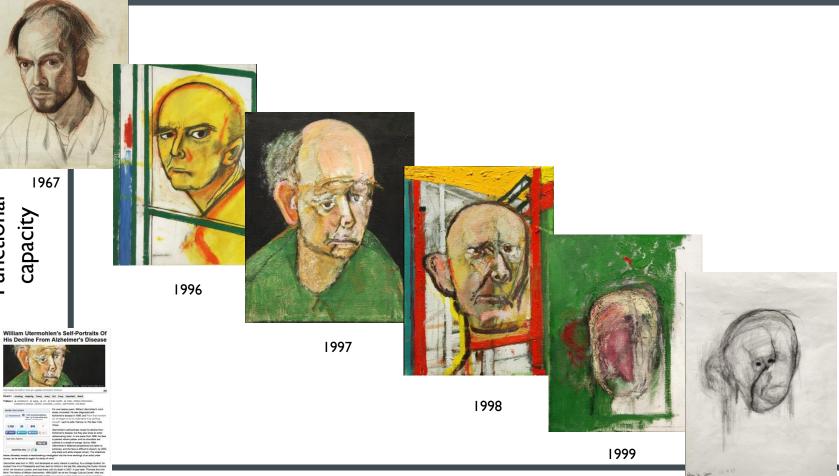
Dementia

Blood clot

SYMPTOMS BY TYPE OF DEMENTIA



PROGRESSIVE COGNITIVE DETERIORATION DUE TO ALZHEIMER'S DISEASE



JANICKI

1967

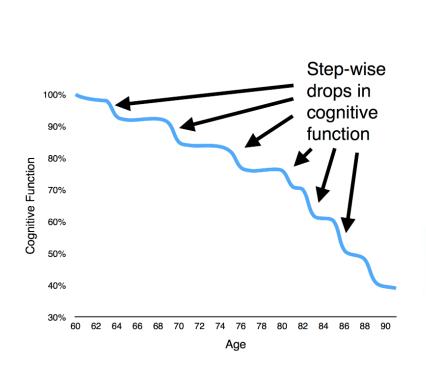
capacity

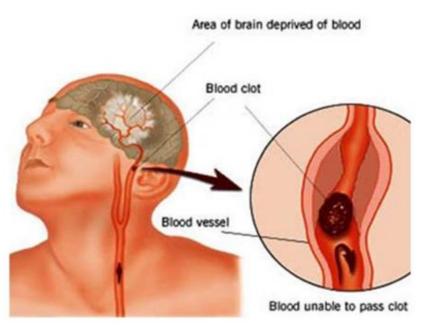
Functional

2000

26

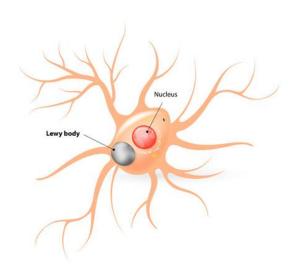
STEP-WISE PROGRESSION OF VASCULAR DEMENTIA





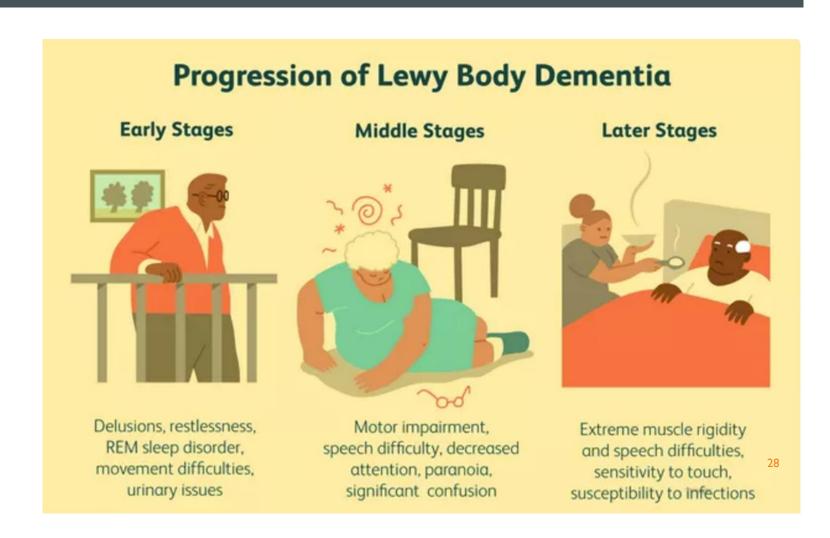
JANICKI

LEWY BODY DEMENTIA



Men more at risk

Caused by build-up of Lewy Body proteins in the brain



FRONTO-TEMPORAL DEMENTIA





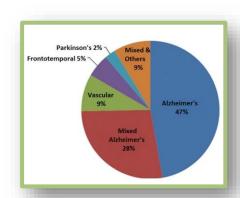
speech personality

Signs and symptoms of frontotemporal dementia

- Changes in personality. The person may become quiet and withdrawn, or even unusually cheerful and outgoing
- Emotional changes, such as seeming cold and distant
- Difficulty understanding what is considered appropriate behavior, or seemingly having 'no filter'
- Change in language, such as words coming out in the wrong order
- Becoming easily distracted or confused, they may feel easily overwhelmed when trying to process information from their senses
- Difficulty with movement
- Repetitive behavior, such as obsessive cleaning, collecting or exercising
- Not looking after themselves
- Binge eating. The person will recognize that they are full but not stop eating, because their brain doesn't tell them to.

TYPE OF DEMENTIA CAN INFLUENCE CARE PLANNING

- Most persons with Down syndrome will have dementia of the Alzheimer's type caused by Alzheimer's disease
- Persons with ID may have a variety of dementias (in norm with the general population)
- Why is it important (or useful) to know type?
 - To determine 'course of treatment' and expectations of staging and rate of decline
 - To help with determining best ways to handle 'challenging behaviors'
 - To help with organizing staffing patterns and clinical supports



RUBY



Ruby at age 62

Sign or Symptom	Age
Early	
Impaired memory function	54.7
Impaired learning abilities	56.7
Hearing loss	57.0
Disorientation	58.0
Hypothyroidism	59.0
Middle	
Personality changes	60.5
Deterioration of ADL skills	63.0
Abnormal reflexes	64.5
Late	
Hallucinations	64.5
Seizures	65.0
Incontinence	65.4
Has to be fed	65.4
Apathy	65.4
Complete care required	65.4
Death	65.5

Ruby spent most of her life in a large congregate care institution ... back in the 80s.

Contemporary practices would have offered her a different life and opportunities... specially when dealing with her decline and eventual succumbing to dementia.

Ruby's decline illustrates a typical progression of stage associated losses of function, onset of comorbidities, and aging

Courtesy: A.J. Dalton (2000)

TERMINOLOGY

Mild cognitive impairment (MCI)

Early onset dementia

Early-stage dementia

Mid-stage dementia

Late-stage or advanced dementia



EARLY or MILD STAGE

2 to 4 years or longer

For adults with Down syndrome there is compressed staging of Alzheimer's dementia

58

General stage durations for Alzheimer's dementia in typical adults

MID- or MODERATE STAGE

2 to 10 years



LATE or SEVERE STAGE

1 to 3 years of longer

Early Stage	Middle Stage	Late Stage
Confusion and memory loss	Difficulties with ADLs ["activities of daily living"]	Loss of speech
Disorientation in space	Anxiety, paranoia, agitation and other compromising behaviors	Loss of appetite, weight loss
Problems with routine tasks	Sleep difficulties	Loss of bladder and bowel control
Changes in personality and judgment	Sleep difficulties	Loss of mobility
	Difficulty recognizing familiar people	Total dependence on others
		~Death

CRITICAL FACTORS

Degree of retention of function

Expected trajectory of progressive dysfunction

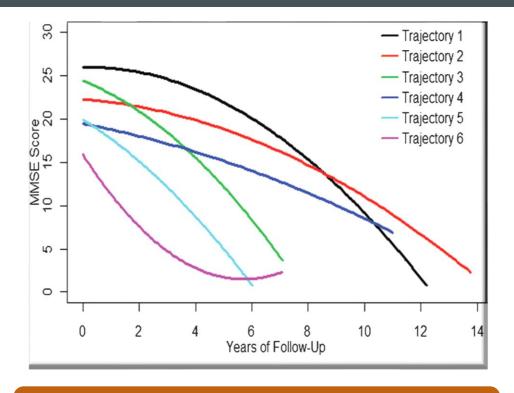
Duration (remaining life years)

Type of dementia

Health status

Environmental accommodations





Varying trajectories have implications for continual assessment and adaptations to care management

IMPLICATIONS OF TRAJECTORIES AND DURATION

- Knowing something about variations in trajectories
 - Anchors around potential duration of 'stay' at same level of functioning
 - Provides ideas about potential changes and their nature
 - Creates a schedule for timing changes in service orientation – planning care, evaluating patterns of care, and organizing staffing and environmental modification
 - Provides an empirical basis for expectations of comorbidities
 - Gives staff information about anticipating changes
 - Helps with introducing ameliorative interventions or aids for day-to-day functioning
 - Long-term planning for care financing (budgeting for shifts in staff and housing)

FEATURES RELATED TO DEMENTIA

- Older adults with Down syndrome are at high risk of Alzheimer's disease
- Not every adult will show signs of dementia as he or she ages
- Age-associate decline may be due to aging and not dementia
- Institute baseline for ('personal best') functioning at age ~40 for Down and at ~60 for other ID
- Useful to know the signs of MCI* and dementia and keep track of capabilities after age 40
- Early detection screening useful to identify possible progression into MCI or dementia
- Early referral for assessment or diagnosis if signs present is advised (to rule out alternative bases for physical or cognitive changes)

WHAT TO DO WHEN DEMENTIA IS SUSPECTED - ID?





- Capture visuals on functioning (preferably 'personal best')
- digital recording of behavior
- Screening instrument
- · Observe if screen provides 'hits' on 'warning signs'

Refer for clinical assessment and diagnosis

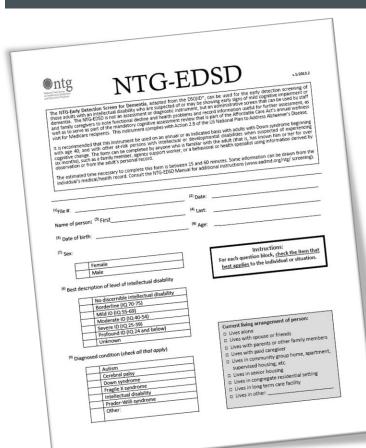
- Clinicians reapply ID-specific measures to look for longitudinal patterns
- If evidence points to dementia-like symptoms, refers for full diagnostic evaluation (for differential dx)

Post-diagnosis support

- Post-dx decide on value of pharmacological tx
- Implement non-pharmacological strategies
- Support through stage changes



SCREENING-ASSESSMENT-DIAGNOSIS PROCESS



Screening

Done by carers or staff

Picks up key problem areas – some associated with MCI or dementia – confirms suspicions

Signals areas for further surveillance by carers or staff

'The starting point'

Assessment

Form used by carers or staff to begin discussion about concerns with clinician

Clinician uses noted items for more in-depth assessment and tracking

Suspicions can be confirmed or revisited periodically

Neurological scans can be ordered

Diagnosis

Clinic or clinicians ascertain whether dementia dx is viable

Eventual review of symptoms and application of range of general dementia ascertainment measures

Designation of possible or probable dementia and potentially clinical etiology

www.the-ntg.org

WHAT IS THE FUTURE IN DIAGNOSTICS

- The National Institute on Health has funded numerous studies of biomarkers,
 both within the general population and of adults with Down syndrome
- Biomarkers provide detailed measures of abnormal changes in the brain, which can aid in early detection of possible disease in people with very mild or unusual symptoms
- People with Alzheimer's disease and related dementias progress at different rates, and biomarkers may help predict and monitor their progression
- Given the difficulty of using traditional office-methods of diagnosing dementia in adults with intellectual disability, biomarkers will offer a means of confirming a clinician's suspicions or diagnostic outcomes

Biomarkers for Dementia **Detection and Research** FACT SHEET Changes in the brains of people with these disorders may begin many years before memory loss or other symptoms appear. Researchers use biomarkers to help detect these brain Brain Imaging changes in people, who may or may Cerebrospinal Fluid Biomarkers not have obvious changes in memory Other Types or thinking. Finding these changes Use in Diagnosis early in the disease process helps identify Use in Research people who are at the greatest risk of Alzheimer's or another dementia The Future of Biomarkers and may help determine which people How You Can Help might benefit most from a particular For More Information treatment. Use of biomarkers in clinical settings, such as a doctor's office, is limited iomarkers are measures of at present. Some biomarkers may what is happening inside the be used to identify or rule out living body, shown by the causes of symptoms for some people results of laboratory and imaging



tests. Biomarkers can help doctors

and scientists diagnose diseases and

health conditions, find health risks in a person, monitor responses to

treatment, and see how a person's

disease or health condition changes

level of cholesterol in the blood is a biomarker for heart-attack risk.

Many types of biomarker tests are

used for research on Alzheimer's

over time. For example, an increased

Alzheimer's and related Dementia Education and Referral Cente

Researchers are studying many types

of biomarkers that may one day be

used more widely in doctors' offices

In Alzheimer's disease and related

dementias, the most widely used biomarkers measure changes in the

size and function of the brain and

and other clinical settings.

and Tests

Types of Biomarkers



41

EFFECTS OF DEMENTIA

SOME INFORMATION FOR SUPPORT SERVICES

UNDERSTANDING DEMENTIA

Knowns...

- People with ID have same rate of dementia as general population
- Some people with ID have <u>higher rates</u> (e.g., Down syndrome, head injury)
- Some % of any adult client pool will be affected
- Early interventions can aid in adapting to changes and prolonging lucid periods
- Effects of dementia will be progressive and eventually lead to death

Unknowns...

- Who will be affected?
- How pronounced will be early changes?
- How dramatic will be the changes in function?
- How long will person live after diagnosis?
- What other diseases or medical conditions may be co-incident?
- Which particular dementia-related behaviors will be more evident?

EXPECTATION OF CHANGE AND FACTORS IN ID AND DEMENTIA UNDERLYING HOUSING AND CARE PRACTICES

Expectations of change

- Cognitive skills will decline
- Support needs will increase
- Increase risks of falls, injuries
- Swallowing dysfunction, clots, pneumonia, bladder infections, nutritional deficiencies, seizures

Care factors

- Watch for signs of abuse and neglect (including selfneglect)
- Watch for signs of caregiver burn-out and stress at home ... affected on adult's behavior
- Watch for advanced dementia and needs for end-oflife care (palliative care and hospice)

ID associated issues that extenuate these factors:

- Co-incident conditions that may affect gait, sensory faculties, and cognition
- Co-morbidities or diseases that may affect physiological functions
- Previously identified 'mental health' issue
- Late-onset seizures
- Precocious (early) aging effects
- Expressive language difficulties
- Nutritional deficiencies & diet inadequacies
- Presence of polypharmacy



WHAT ARE NEEDED SUPPORTS?

- Help for caregivers and the person
- Advanced planning for alternative care
- Diagnostic and intervention assistance
- Support groups for caregivers (family or staff)
- Dementia capable community housing (group homes)
- Respite for caregivers
- Health care and social supports

"... people have, on average, six years of <u>living independently</u> once mild cognitive impairment starts."*

Dementia is a condition that lessens an adult's ability to be left alone – thus, living without supervision is not an option as the condition progresses

OPTIONS FOR DEMENTIA CARE SETTINGS

Staying

Staying at home

- Continued care by family members until eventual advanced dementia and end-of-life
- Considerations: home adaptation, close supervision for safety and avoiding self-harm or neglect 24/7, possible wheelchair use, palliative and/or hospice aid

Agency focus
Outreach and
community supports
(HCBS)
Helping support family
caregivers

Leaving

Leaving home

- Admission to a nursing facility after non-ambulatory care is necessary
 - Consideration: SNF capability & understanding of DS?
- Looking for an agency run specialty dementia care group home
- Other options perhaps memory care centers, assisted living programs?

Agency Focus

Securing housing with dementia specialty care
Clinical team supports
Training for staff

PREVALENT MODELS OF GROUP HOME-BASED DEMENTIA CARE

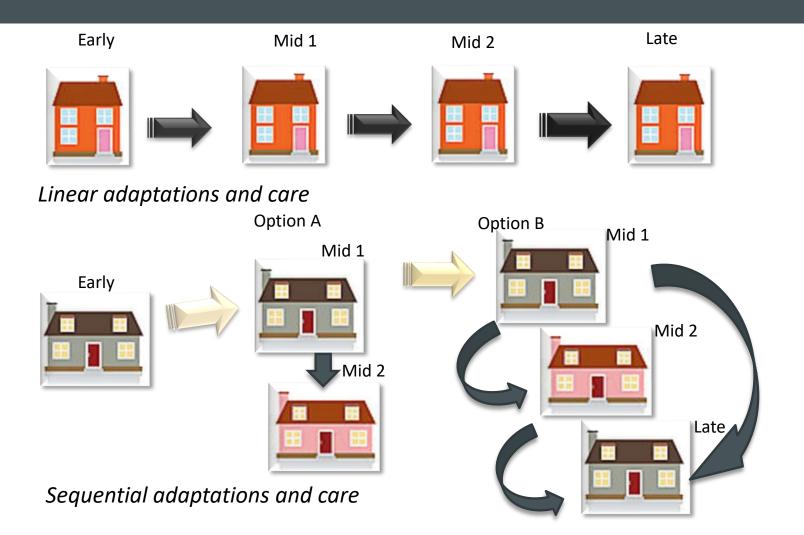
AGING-IN-PLACE

• single care home and stable stay

IN-PLACE-PROGRESSION

 multiple care homes & movement with progression

Mid = mid-level



Source: JANICKI (2010)

WHAT'S IMPORTANT TO KNOW



- The difference between normal aging changes and pathological aging changes
- Early signs of functional change associated with dementia
- Types of dementia and their main characteristics, what will be the behavioral/functional changes, and their duration
- When is it best to refer for assessment and to whom
- What options exist for early dementia-related supports
- What options exist (or need to be put in place) for long-term dementia capable care/supports



Who should receive training and resource materials?

- Direct support staff
- Clinicians
- Program managers
- Agency Admin personnel

JANICKI

EARLY STAGE

Engage	Engage the individual and their family, and/or other carers or guardians in advance care planning (and prepare advance directives) consistent with state or other requirements.
Identify and plan	Identify and plan to remediate the environmental challenges to help maintain community living
Establish	Establish a daily regime that provides for purposeful engagement based on individual needs and preferences, yet is organized so as not to cause anxiety and confusion
Provide	Provide ongoing clinical supports to address behavioral and psychological symptoms associated with dementia
Redesign	Redesign day activities and programs so that participation in valued activities and opportunities for interaction with others continues and respite for families and other caregivers is possible

MID STAGE

- Provide increased assistance with personal care and hygiene when needed
- Secure appropriate residential supports and consider housing options to accommodate increasing losses in independent functioning
- Continue surveillance and periodic assessments to determine extent of change and progressive dysfunction as well as the possible development of comorbid conditions
- Monitor any medications being taken to prevent ADRs
- Enhance training of staff and family as well as consultation to carers around coping with behaviors and adapting routines
- Institute planning for long-term services and supports
- Ensure protections are in place to preclude abuse or harm in both formal and informal settings.
 (Source: Indiana or an area of the protections are in place to preclude abuse or harm in both formal and informal settings.

(Source: Jokinen et al., 2013)



LATE / END STAGE

- Reorganize care management toward nonambulatory care
- Reassign staff to activities more structured around nursing and personal care including the support of family carers who wish to maintain the person at home
- Obtain support from palliative care or hospice specialists
- Institute procedures to maintain dignity, comfort, and address pain and symptom management
- Organize end-of-life supports and post-death arrangements

DEMENTIA CARE PLANS

Formal dementia care plans, organized with support team, family, and the person, enable continual supports and assistance to maintain maximum function and enhance quality of life... and ease pressures on caregivers

- Focus on knowledge of needs of individual and support system
- Core elements
 - Assessment and re-assessment of dementia and it impact on health and function
 - Daily living supports, including housing
 - Health reviews for long-standing conditions and any emerging co-incident conditions
 - Dietary and nutrition
 - Mobility and physical functions
 - Medications
 - Special needs
 - Aid to caregivers

WHAT CAN YOU DO?

Improve understanding of aging and dementia

Be alert to risk and early signs decline

Adapt living environments to minimize risk

Help with futures planning (health and social care)

Aid families who are carers

Enhance staff skills - training with respect to dementia

Quality checks on services

Provide stage-related services

Plan for future growth of aging segment of population

KEY RESOURCE

WWW.THE-NTG.ORG

Matthew Janicki mjanicki@uic.edu

www.the-ngt.org



MEDICAL AND HEALTH FACTORS IN ID AND DEMENTIA

SETH M. KELLER, MD
NEUROLOGY ASSOCIATES
NEW JERSEY

THOUGHTS ON SERVICES AND INDIVIDUAL CARE

THOMAS BUCKLEY, ED.D.

CARF INTERNATIONAL BOARD OF TRUSTEES

TUCSON, ARIZONA

DISCUSSION AND Q&A

