

*Enhancing Life*

# Getting to the rest of the story

The role of Self-Report CGA in the care of older persons living with frailty

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A land acknowledgement is a small step towards reconciliation and needs to be followed by actions, such as education. We focus in this course on learning of the aging process and the experience of being an older adult, within the context of individual lives and our families, communities and health and social systems. We recognize aging as an embedded personal history, and the impact of history in the lived experience of older adults, particularly those with past and present histories of oppression and colonialism. We acknowledge the historical and current presence and land rights of Indigenous peoples within Canada. I recognize that as a settler I, and the older adults in my family, have benefitted from the land in the past and continue to do so.

We take this time to reflect, in the spirit of Truth and Reconciliation. I acknowledge that I live and work on the Territory of the Neutral, Anishinaabeg, and Haudenosaunee Peoples. The University of Waterloo is situated on the Haldimand Tract, the land promised to the Six Nations that includes six miles on each side of the Grand River.

# Objectives

- Understand healthcare information needs in an aging world
- Making room for the person's narrative
- Understand the potential roles of the interRAI Check Up Self-Report instrument in efficiently meeting these information needs

# Healthcare is about answering questions

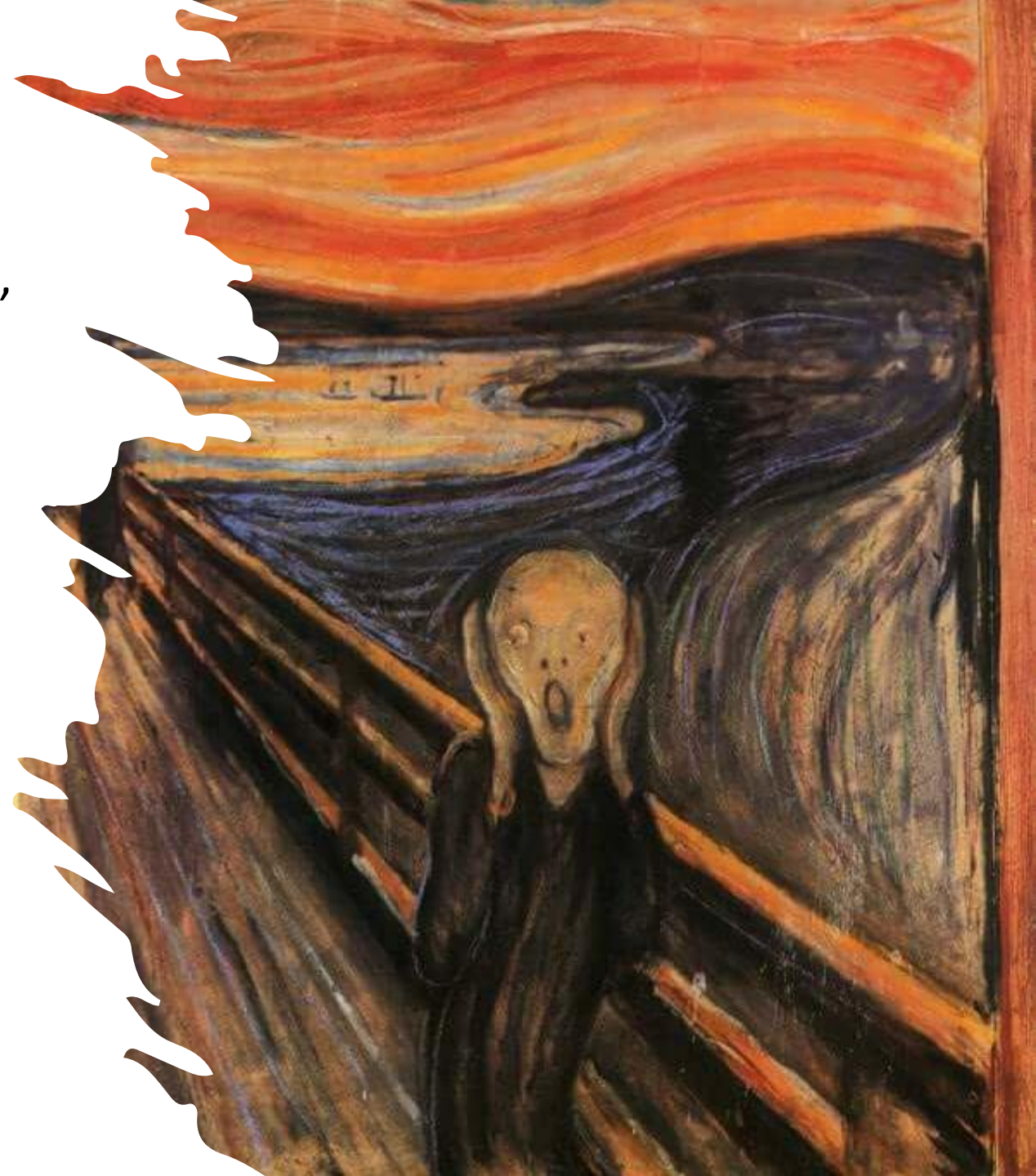
Dhaliwal & Detsky, JAMA 2013

Theme	Person's perspective	Physician's question
Risk	I need help!	Who do I see first?
Diagnosis	What is wrong with me?	What tests can I offer?
Prognosis	How will this problem affect what matters to me the most?	What do I know about how this impacts the person?
Management	How can I be as well as I can to meet my goals?	<i><b>What care options best meet the person's needs, goals and wishes?</b></i>

# *Answering these today is hard*

*Franco et al, 2022 <https://cgjonline.ca/index.php/cgj/article/view/597>*

- Life course experiences, expectations, wishes, goals, socioeconomic considerations, culture, religion, language, gender
- Multimorbidity and polypharmacy
- Disability
- Geriatric syndromes: cognitive impairment, mood, pain, mobility, function, continence, caregiver burden, frailty
- “I Hope That the People Caring for Me Know About Me”



# How can we capture complexity?

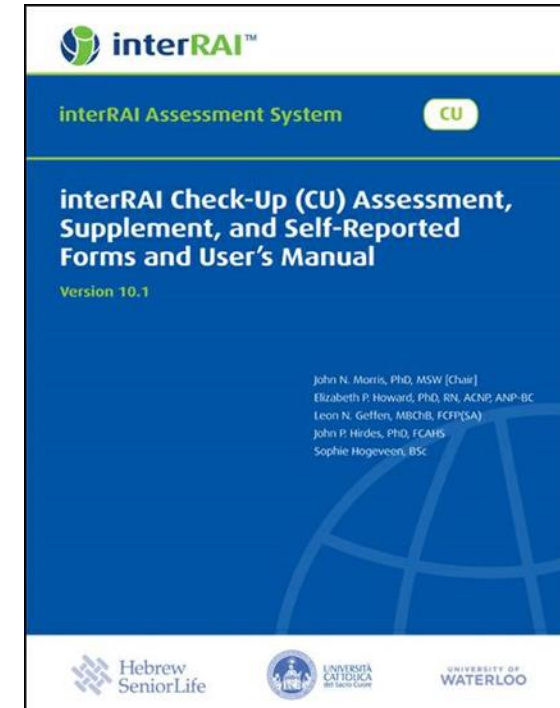
- Without missing any critical information
- In a sufficiently comprehensive way with existing resources
  - **need** to know vs. **nice** to know
- Make it comprehensible to clinicians and persons
- Support the development of a timely and optimal person-centered care plan
- And ideally for other data needs?

# Standards and narrative both matter

- Amenable to standardization to minimize assessment burden: cognitive function, mood, pain, behaviours, ADLs, IADLs, frailty, health instability, caregiver burden
- Makes room for the personal narrative
- The more we can rely on standard, reliable and valid information, the more we can focus on the personal narrative

# Check-Up Outputs

- Severity scales:
  - Cognitive Performance
  - Self-rated mood
  - ADLs
  - IADLs
  - Pain
  - Communication problems
  - Vulnerability
- Flags:
  - Falls
  - Cardiorespiratory risk
- Risk scales
  - AUA: need for CGAM
  - CHESS: frailty related health instability
  - DIVERT: ED risk



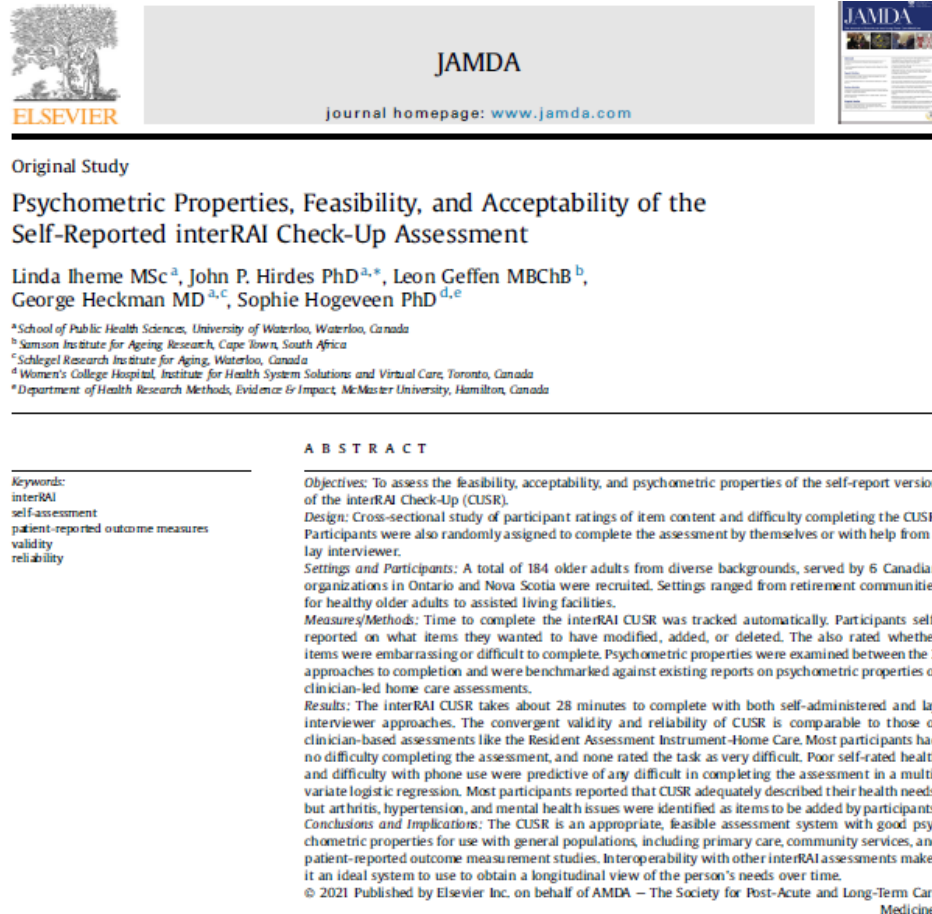


# Validity of interRAI Check Up Self-report



- 112 participants age 60+ in Khayelitsha South Africa
- Interviewed by trained lay-older adult health workers
- Reassessed by clinician in primary care clinic
- Good overall criterion validity in relatively healthy older persons

# Canadian validation



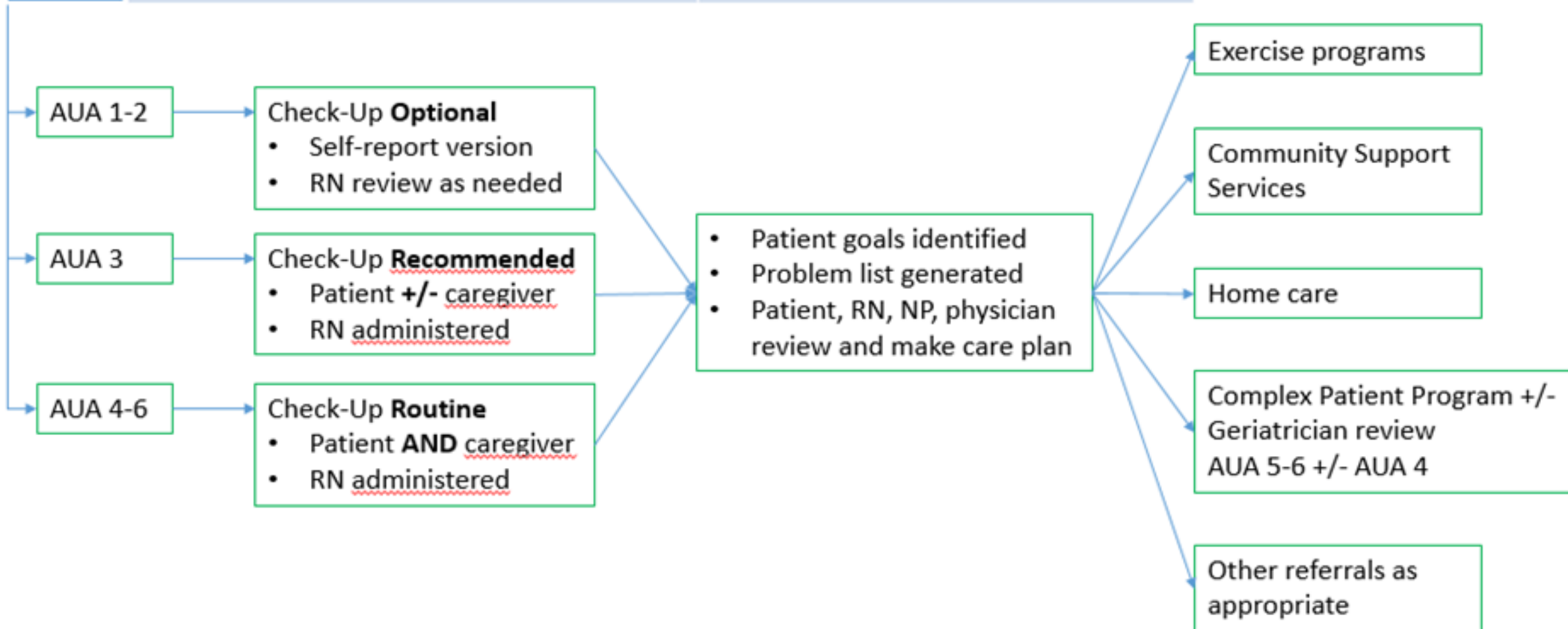
- 184 older adults from diverse backgrounds, served by 6 Canadian organizations in Ontario and Nova Scotia
- Confirms validity, reliability, acceptability and feasibility
- 28 minutes on average

Experience with the Check Up

# New Vision Complex Care Program

- Proactive, in-house, case-finding & CGA
- Unique features:
  - NP-led, shared care (geriatrician, pharmacist, family MD)
  - Use of interRAI CVS/AUA and Check-Up
- AUA & Check Up within EMR infrastructure
  - OCEAN, Practice Solutions

AUA	WHO?	SOURCE?
	<ul style="list-style-type: none"> <li>- All over 75 years</li> <li>- 65 to 74 with ED visits, clinician judgment</li> <li>- Patient self-referral</li> </ul>	<ul style="list-style-type: none"> <li>- OCEAN tablets (self-administered)</li> <li>- EMR Practice Solutions (nurse)</li> <li>- Grand River / SMGH (ED/GEM)</li> </ul>



# Patient characteristics: Complex Care Program

	Total (76)	Man (22)	Woman (54)
Age (years)	81.8	82.9	80.3
ADRD	36 (47.4%)	11 (50%)	25 (36.3%)
Movement disorder	8 (10.5%)	4 (18.2%)	4 (7.4%)
Depression	20 (26.3%)	4 (18.2%)	16 (29.6%)
Coronary artery disease	18 (23.7%)	9 (40.1%)	9 (16.7%)
Hypertension	50 (65.8%)	15 (68.2%)	35 (64.8%)
Diabetes	29 (38.2%)	11 (50%)	29 (53.7%)
Atrial fibrillation	14 (18.4%)	6 (27.3%)	8 (14.8%)
Heart failure	13 (17.1%)	6 (27.3%)	7 (13.0%)
Stroke	18 (23.7%)	3 (13.6%)	15 (27.8%)
COPD/asthma	24 (31.6%)	7 (31.8%)	17 (31.5%)
Osteoporosis	36 (47.4%)	7 (31.8%)	29 (53.7%)
Incontinence (urine)	49 (64.5%)	13 (59.1%)	36 (66.7%)
Chronic renal failure	45 (59%)	17 (77.3%)	28 (51.6%)
Medications	12.8	11.6	13.3

# Results: Quantitative

Outcome	Total (n=76)	Men (n=22)	Women (n=54)
Geriatrician encounter	63 (82.9%)		
- Consult	54	16	38
- eReview	9	3	6
New community referrals	40 (52.6%)	12	28
Meds deprescribed #	32 (42%) (0.85)	10 (1.05)	22 (0.76)
Meds optimized #	46 (60.5%) (1.05)	12 (0.95)	34 (1.09)
ED visits (1 year before)	1.33	1.32	1.33
ED visits (1 year after)	0.67*	0.69	0.66

Meds stopped: NSAIDs, psychotropics, PPIs

Meds optimized: bone health, cardiovascular, acetaminophen

\*p=0.00012.

# Integrated Care Team Pilot





## THE PROBLEM

### THE UNMET POPULATION HEALTH NEEDS OF OLDER ADULTS in KW4



62,811

people are 65 years or older in KW4



175 days

is the average wait time to see a geriatrician

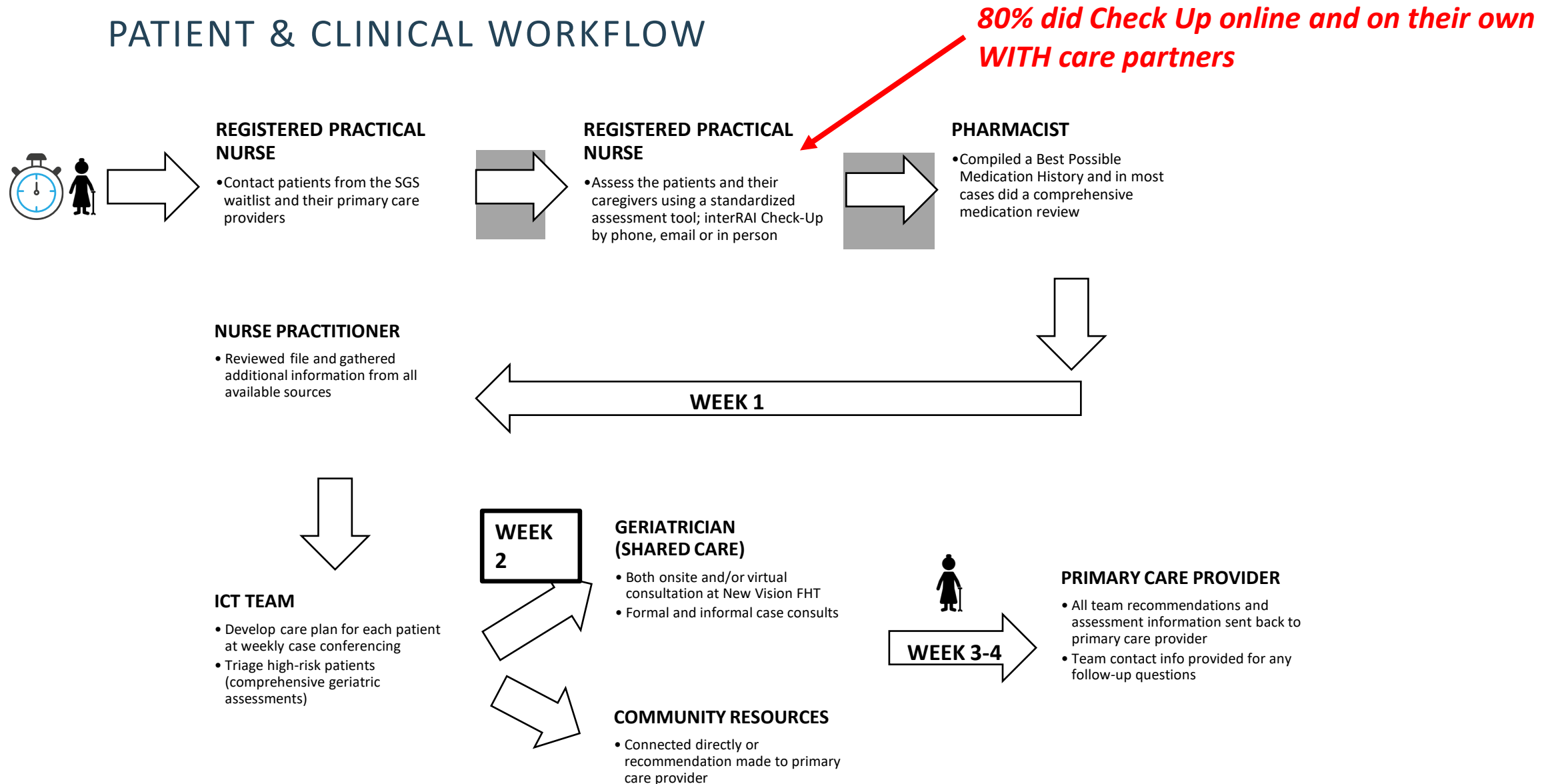


18%

of family physicians have access to an  
interdisciplinary team

# THE PROPOSED SOLUTION

## PATIENT & CLINICAL WORKFLOW



# In 6 weeks, we...

- Contacted 138 individuals of 445 on the wait list
- 97 of 138 available completed Check Up (80% self-report)
- 77 of 97 reviewed by the team
- Results
  - 95% med review
  - 77% new referral to community services
  - 50% seen by NP
  - 35% saw geriatrician
  - Very positive feedback

Virtual geriatric consults during  
pandemic

# Virtual Geriatrician Consultation during pandemic

## interRAI Check Up Self-report



- Implemented the self-report tool as part of the comprehensive geriatric assessment process
- Remotely assessed 195 clients referred to a geriatrician in first year of the pandemic

# Virtual Geriatrician Consultation during pandemic

## Findings

- Majority (72%) were in the most **urgent need of geriatrician assessment**
- A third had moderate to severe **cognitive** (34%) and **functional** (34%) **impairments**
- Half experienced **depressive** symptoms (53%) and **loneliness** (57%)
- A third (32%) had daily **pain**
- 46% of caregivers were **overwhelmed**
- 50% had **cardiorespiratory symptoms** that required assessment
- *“I find that it's good for ensuring that I don't leave out components of the geriatric assessment. I might forget to ask about smoking or alcohol, or I might forget to ask if they can do the stairs. I really like that on the Check-Up that it goes through that **good functional checklist**.”*
- *“It's **very valuable for me to see my group of people that I've seen** over the year, to be able to see, wow, my average AUA [assessment urgency algorithm] is five, and boy, 30% of people are not cognitively independent.”*

Retirement home

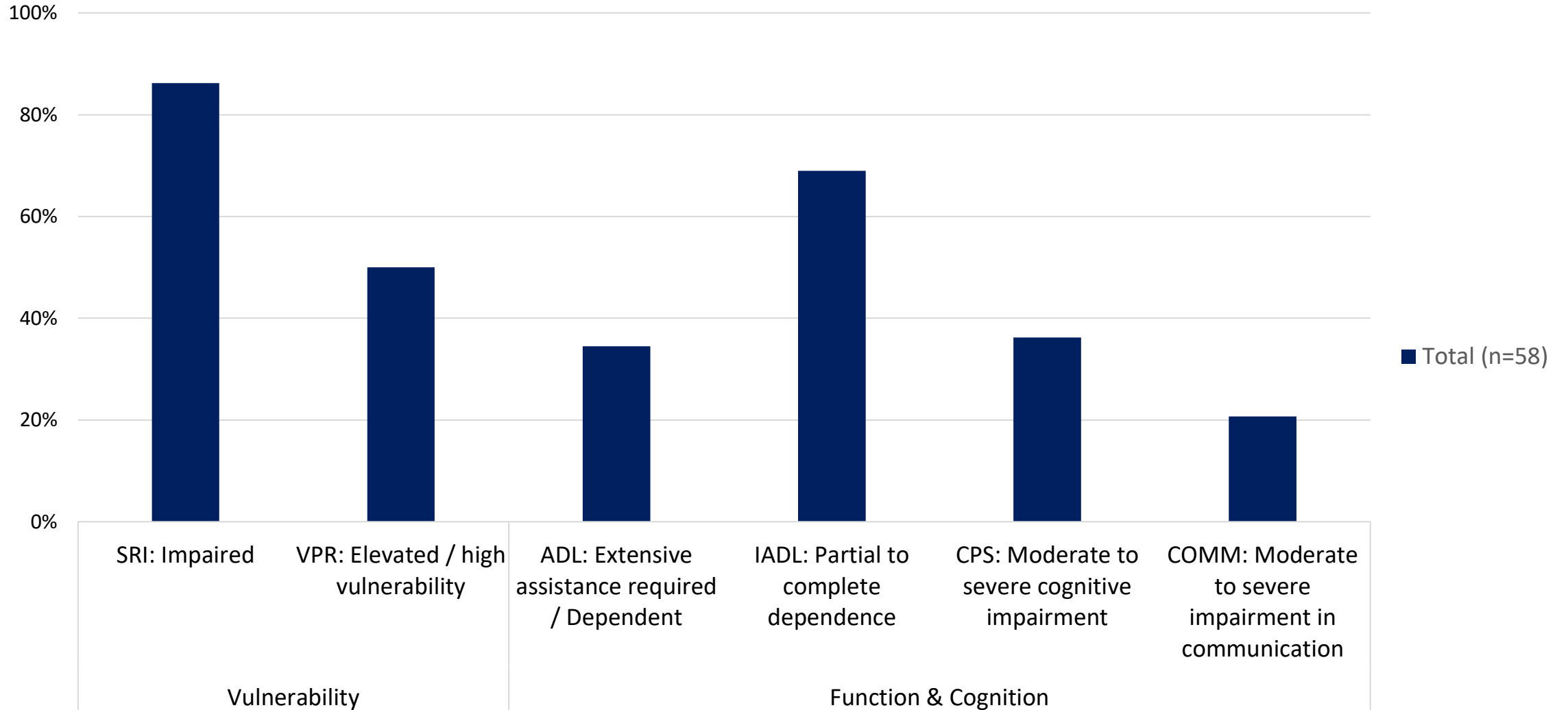
# CU Assessments (n=58)

Higher needs (memory care, assisted living) residents and care partners complete Check-Up together on admission

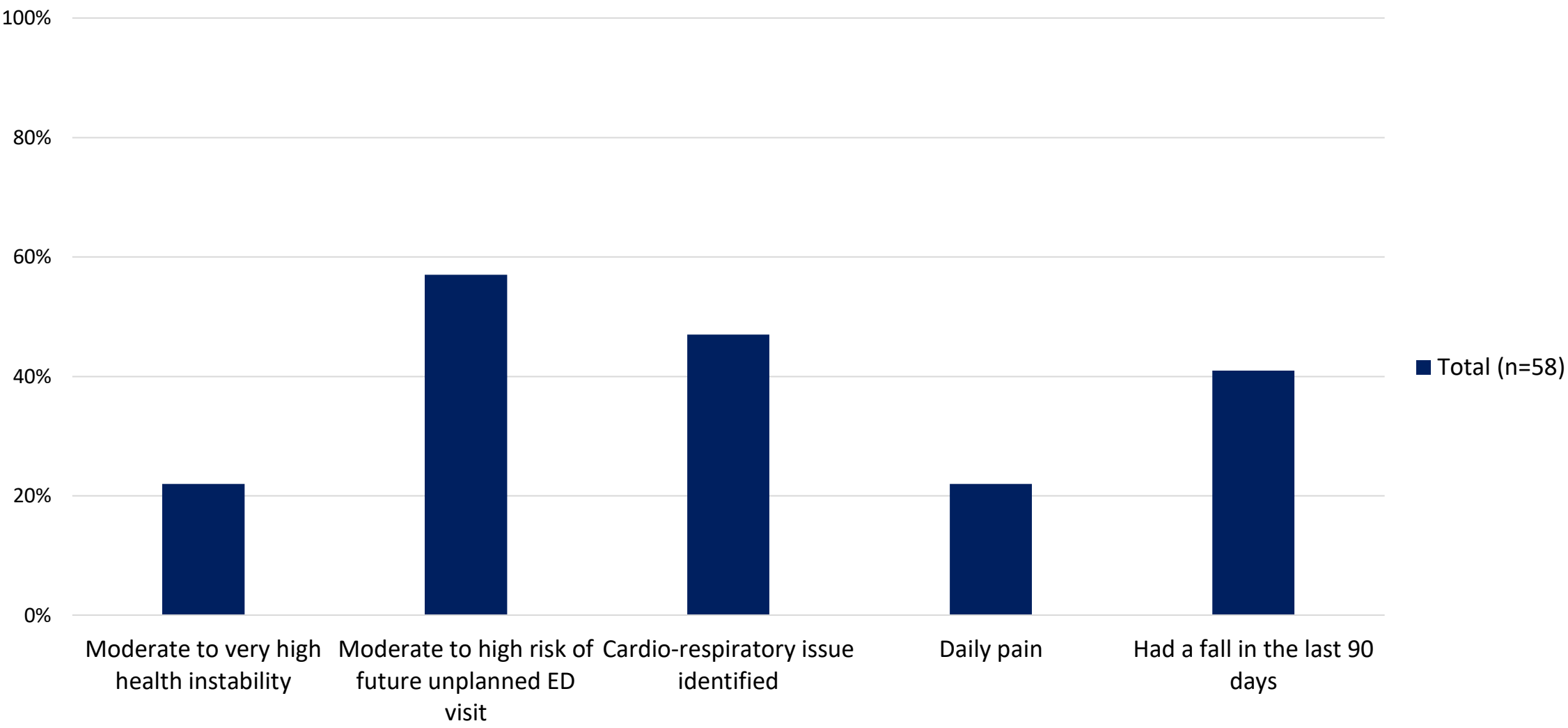
- Average Age = 89
- Women = 60%
- *I have a lot more time to get to know them*



# Vulnerability, Functioning, and Cognition



# Health Status



# Comparison across sectors

	Age	AUA 4-6	CHESS 3+	DIVERT 4+	CPS2 4+	Mood 3+	ADLH 4+	IADLH 4+	Pain 2-4	Falls 1+	CardioResp
CCP	81.8	68%	16%	22%	27%	37%	6%	44%	38%	35%	41%
ICT	81.3	63%	17%	21%	36%	45%	4.2%	54%	39%	42%	49%
Geriatrics	81	95%	29.2%	42%	CPS 3+ 33%	53.3%	8.2%	61%	32%	56%	52%
Retirement	n/a	88%	25%	Median 3	59%	Mean 3.42	22%		26%	47%	47%
Home care	n/a	n/a	22%	47%	CPS 3+ 10%	20%	4%	78%	n/a	n/a	n/a

# The role of the self-report Check Up

- Feasible and acceptable (ensure care partner involved)
  - Software matters: OCEAN
- Reduces clinic assessment burden and more time for narrative
  - *Ultimately person-centered*
- Provides standard language for interprofessional care:
  - Used in home care, CSS, LTC, inpatient mental health.
- Supports proactive referrals, triage, care planning
- Retirement homes: current **NO** standards and worse outcomes
- Promotes learning across sectors, regions
- Next steps: quality indicators, fracture risk

# Further reading

- Northwood M et al. Integrating a Standardized Self-Report Tool into Geriatric Medicine Practice during the COVID-19 Pandemic: A Mixed-Methods Study. Can J Aging. 2023 Jul 28;1-11. <https://pubmed.ncbi.nlm.nih.gov/37503824/>
- Brooks et al. Development, successes, and potential pitfalls of multidisciplinary chronic disease management clinics in a family health team: a qualitative study. BMC Prim Care. 2023 Jun 20;24(1):126. <https://pubmed.ncbi.nlm.nih.gov/37340362/>
- Lafortune et al. The Rest of the Story: A Qualitative Study of Complementing Standardized Assessment Data with Informal Interviews with Older Patients and Families. Patient. 2017 Apr;10(2):215-224. <https://pubmed.ncbi.nlm.nih.gov/27596366/>
- Franco BB et al. "I Hope That the People Caring for Me Know About Me": Exploring Person-Centred Care and the Quality of Dementia Care. Can Geriatr J. 2022 Dec 1;25(4):336-346. <https://pubmed.ncbi.nlm.nih.gov/36505910/>

# Further reading

- Dhaliwal G, Detsky AS. The evolution of the master diagnostician. JAMA. 2013 Aug 14;310(6):579-80.  
<https://pubmed.ncbi.nlm.nih.gov/23942674/>
- Geffen LN et al. "Establishing the criterion validity of the interRAI Check-Up Self-Report instrument". BMC Geriatr. 2020 Jul 29;20(1):260. <https://pubmed.ncbi.nlm.nih.gov/32727385/>
- Iheme L et al. Psychometric Properties, Feasibility, and Acceptability of the Self-Reported interRAI Check-Up Assessment. J Am Med Dir Assoc. 2022 Jan;23(1):117-121.  
<https://pubmed.ncbi.nlm.nih.gov/34197792/>

# Some late-night TV for you...

- <https://interrai.org/#instruments-webtv--0>

## Thank you!