

Why So Many Questions? Chronic Conditions, Physical Functioning and Disability in the CLSA

Engaging in Aging
Halifax, NS
April 28, 2019

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Outline

- Why are we interested in these areas?
- What information is collected in the CLSA?
- How are these data being used?



Alexandra Mayhew
Marla Beauchamp
Ayse Kuspinar

Chronic Conditions

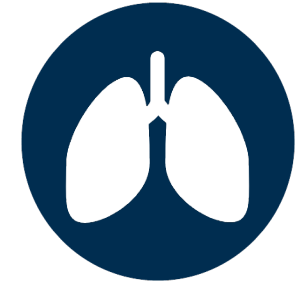
CLSA participants
Overall (**51,338**)

15.36%



Diabetes,
borderline diabetes
or high blood sugar

5.47%



Emphysema, chronic
bronchitis, chronic
obstructive
pulmonary disease
(COPD), or chronic
changes in lungs due
to smoking

15.95%



Mood disorder

35.8%



Arthritis

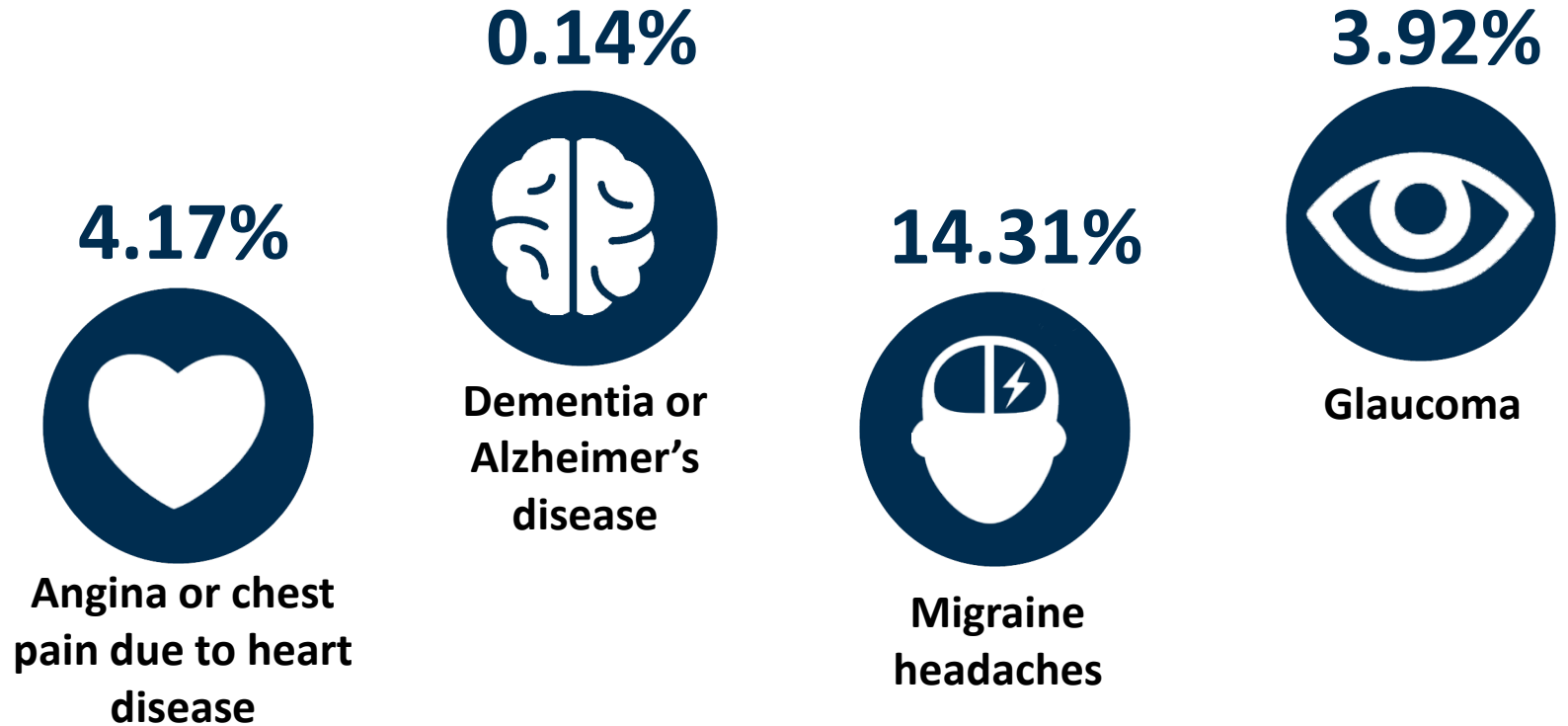
8.53%



Osteoporosis

Chronic Conditions

CLSA participants
Overall (**51,338**)



- But most people have more than one CC → **multimorbidity**

Why Study Multimorbidity?



Multimorbidity (MM) is the coexistence of multiple chronic diseases or conditions, where one is not necessarily more central than the other

- Associated with:
 - ↑ Risk of Death
 - ↑ Disability
 - ↓ Functional Status
 - ↓ Quality of Life

Adults with multimorbidity account for 2/3 of health care spending²

What we learned in the CLSA

Lists used to assess **Multimorbidity** differ in what they include

- If symptoms are included → stronger relationships w/ outcomes that are important to people

- Self-reported Health
- Disability
- Social participation



the addition of symptoms may increase the power to detect, intervene or assess effects on patient-important outcomes

Measures of Function in the CLSA

Comprehensive cohort

- Gait speed (4m walk test)
- Timed up and go (TUG)
- Balance (single leg stance test)
- Chair rise test (5 repetitions)
- Grip strength

- Can Help to Assess Falls Risk
- Predominant cause of injury-related hospitalizations in older adults

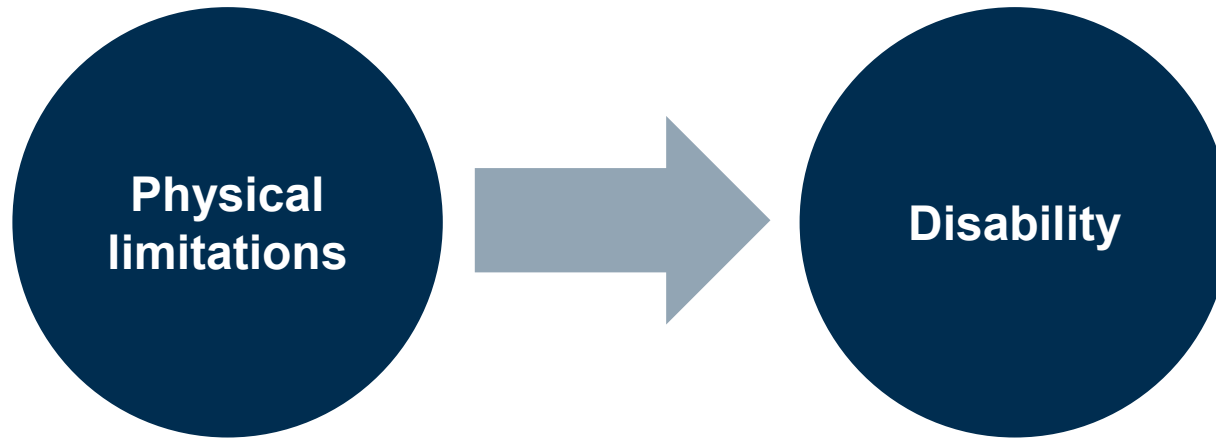
Can adversely affect mental health → fear of falling → loss of autonomy → increase social isolation

How are these data used?

Clinicians use performance measures to help identify people who are at risk for falls → but no agreed upon tests or cut-points

CLSA data are being used to identify the best tests and cut-points to use so **clinicians, physiotherapists, and occupational therapists** can better assess risk of falling

Why study physical functioning?



- Restrictions in the performance of a person

- Impacts functioning in necessary, usual, expected, and personally desired roles in society



Disability

+ looking after appearances!



Basic Activities of Daily Living (BADL)



Instrumental Activities of Daily Living (IADL)



Measures of function in the CLSA

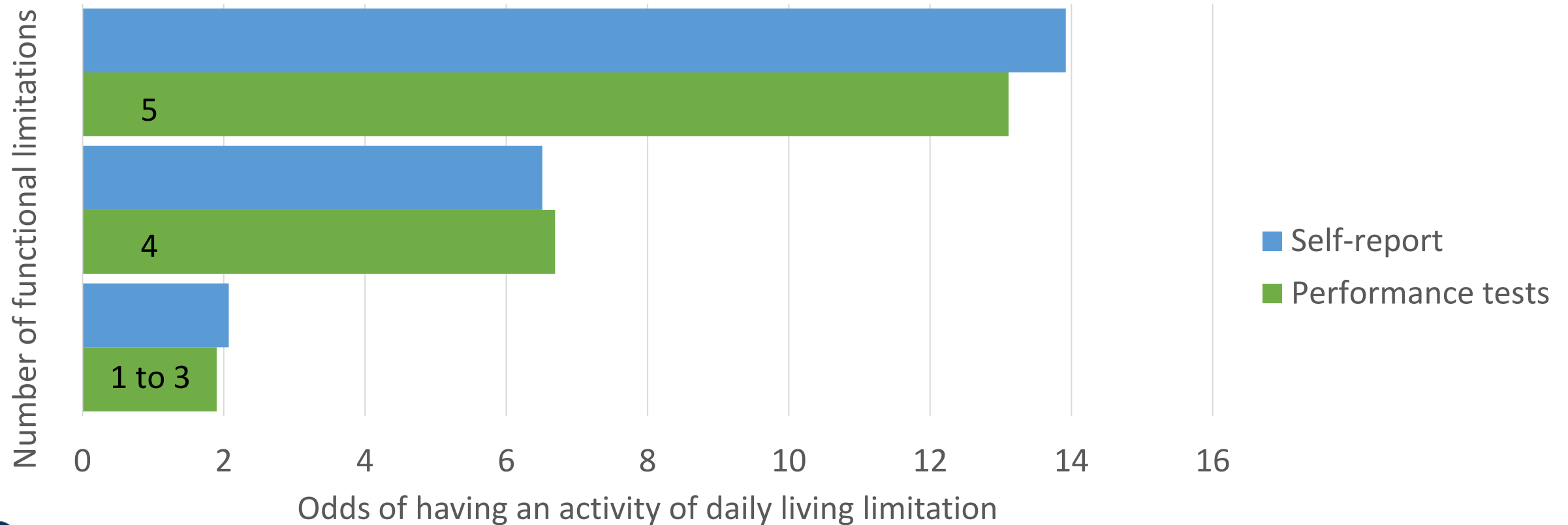
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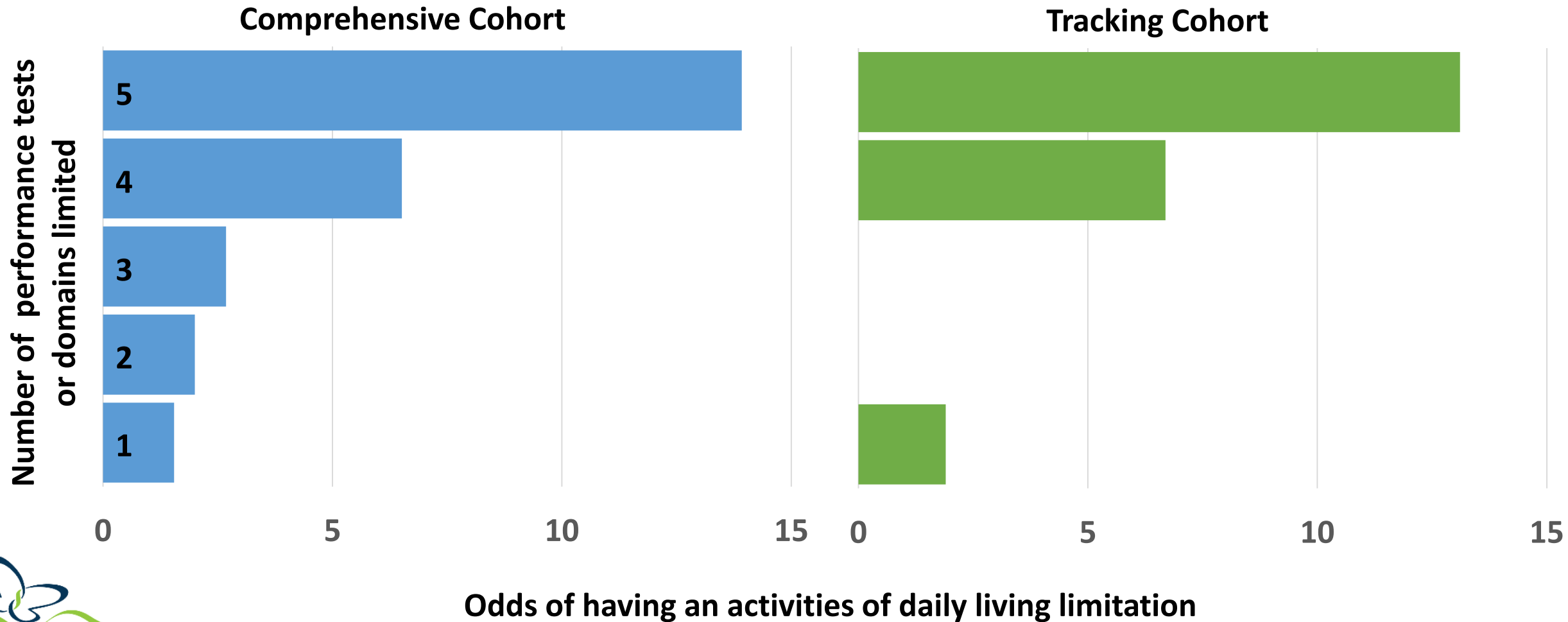
Tracking cohort

- 14 questions asking about
- ability to complete tasks
- Factor analyses determined
- 3 domains
 - Upper body
 - Lower body
 - Dexterity
- Participants reporting difficulty
- with a task considered limited

Why do we measure both types of function?



Why do we measure both types of function?



Summary

- CLSA data are being used in **research** as well as to **inform practice**
- The richness of CLSA data allow us to look at it with **many lenses**

**THANK
YOU!**

We owe a great debt to our CLSA participants!