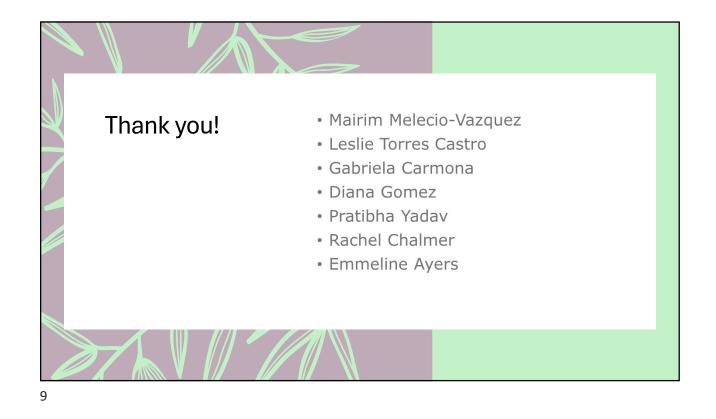
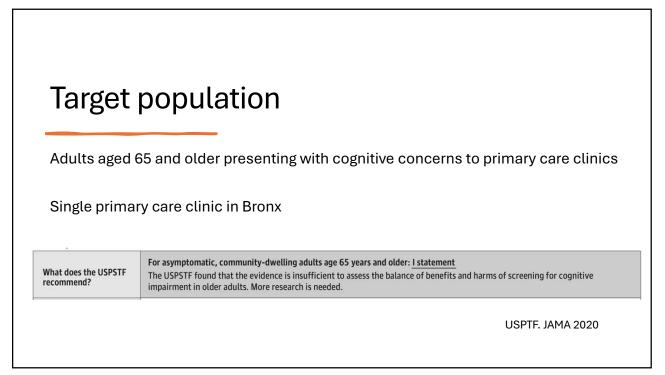


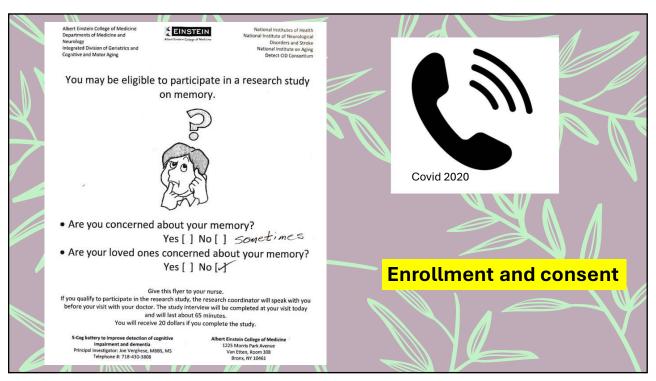


# The 5-Cog Paradigm: Brief Cognitive Assessment + Clinical Decision Support

Montefiore Einstein





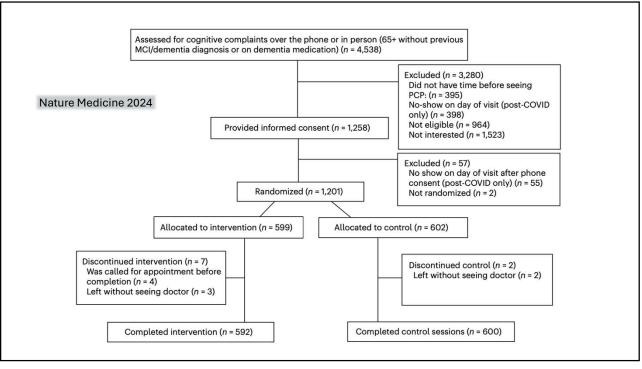




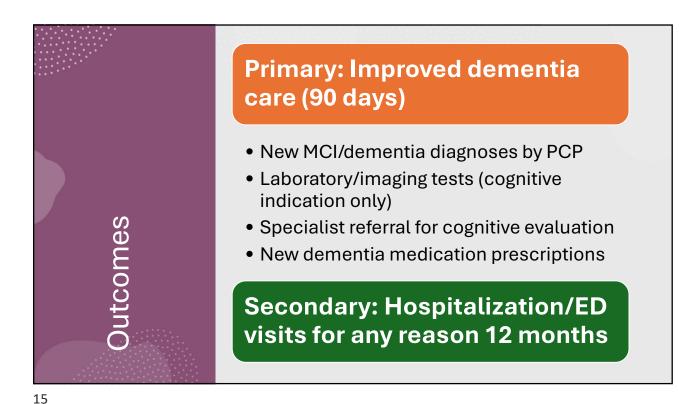
# Block randomize – patient not PCP

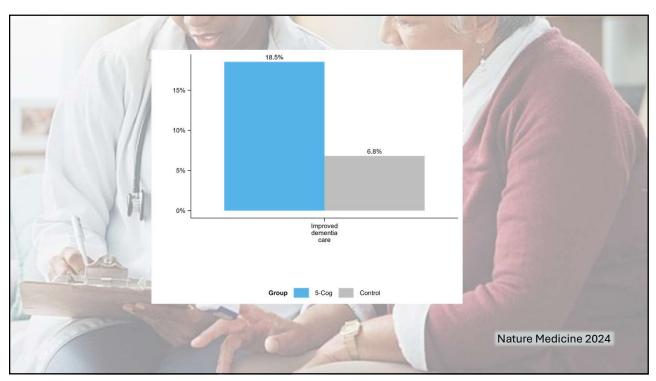
	5-COG	CONTROL
Tests	PMIS MCR Symbol match	Grip strength Health literacy
Outcome	Improved dementia care MCI/dementia	Frailty Health literacy
Time	5 minutes	5 minutes
Timing	Before PCP	Before PCP
Recommendations	Yes	Yes

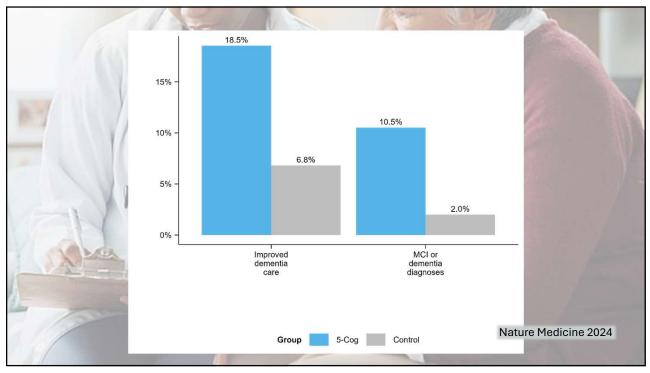




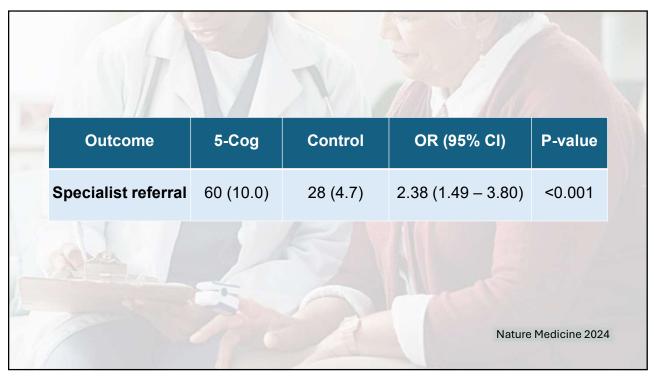
Variables	Intervention (N=599)	Active control (N=602)	
Age, years (mean±s.d.)	72.88±6.38	72.64±6.67	
Sex			
Female, n (%)	431 (72.0)	434 (72.1)	
Male, n (%)	168 (28.0)	168 (27.9)	
Race or ethnic group, n (%)			
Black	305 (50.9)	280 (46.5)	
White	59 (9.8)	59 (9.8)	
Asian	13 (2.2)	10 (1.7)	
American Indian/Alaskan native	4 (0.7)	4 (0.7)	
Hawaiian	2 (0.3)	1 (0.2)	
More than one race	33 (5.5)	28 (4.7)	
Other	29 (4.8)	38 (6.3)	
Not reported/refused	154 (25.7)	182 (30.2)	
Hispanic or Latino ethnic group, n (%)	323 (53.9)	344 (57.1)	
Education			
Years of education, mean±s.d.	11.24±4.10	10.95±4.26	
Some high school or less, n (%)	232 (38.7)	253 (42.0)	
High school graduate or higher, n (%)	367 (61.3)	349 (58.0)	
Socioeconomic disadvantaged neighborhood residency, n (%)	100	100	
Language of test administration, n (%)			
English	339 (56.6)	342 (56.8)	Nature Medicine 2024
Spanish	260 (43.4)	260 (43.2)	







		4		N
Outcome	5-Cog	Control	OR (95% CI)	P-value
Imaging ordered	39 (6.5)	9 (1.5)	4.80 (2.29 – 10.06)	<0.001
Tests ordered	73 (12.2)	12 (2.0)	7.64 (4.05 – 14.39)	<0.001
116	2	Ye	Nature M	edicine 2024







No study related adverse events (medical symptoms or signs, anxiety, depressive symptoms, etc.).

No notes indicating possible harm were recorded by clinicians in the EMR during the 90-day observation period.

# WASSOCIATION Alzheimer's & Dementia

#### RESEARCH ARTICLE 👌 Open Access 🛛 🐵 🕑 🗐 🏵

#### Risk factors for dementia and self-harm: A linkage study

Adrian R. Walker, Preeyaporn Srasuebkul 🕵 Julian N. Trollor, Anne P. F. Wand, Brian Draper, Rachael C. Cvejic, Annette Moxey, Simone Reppermund

First published: 01 May 2023 | https://doi.org/10.1002/alz.13080

#### Highlights

- Most self-harm in people living with dementia occurs within 24 months of diagnosis.
- Men living with dementia were more likely to self-harm than women.
- People living with dementia with poor mental health are more likely to self-harm.
- Self-harm in older people may indicate undiagnosed or prodromal dementia.
- Mental health supports are needed shortly after a dementia diagnosis.

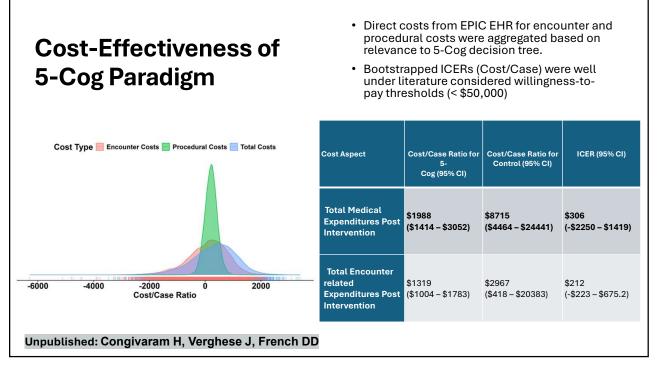
### 21

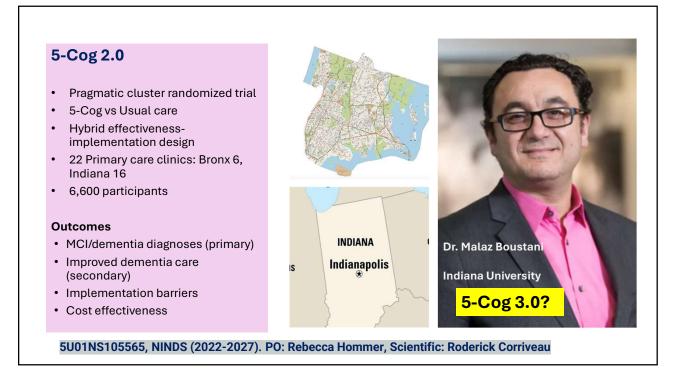
## Strengths

- High prevalence of cognitive concerns: ~40%
- >90% racial/ethnic minorities
- 100% socioeconomically disadvantaged neighborhoods
- 40% <high school
- English and Spanish testing
- Real world primary care
- Actions relevant to patient care
- Large effect size

### Limitations

- Covid-19 effect
- PCPs not blinded
- Diagnoses by PCPs
- Other care indicators
- Asymptomatic patients
- Single center
- Neuropsychological tests
- Implementation issues





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# Thanks to 5 Cog 1.0 and 5 Cog 2.0 teams!

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Einstein makes the 5-Cog battery available free of cost to all researchers for academic pursuits under a simple letter agreement. However, Einstein charges a fee if there is a commercial application for the test and requires a copyright license agreement.