

Uses of the NIH Toolbox with Clinical Samples

Rina S. Fox, PhD, MPH; Manrui Zhang, MPH, MSW; Saki Amagai, BA; Adrianna Bassard, MS; Elizabeth M. Dworak, MA; Amy K. Giella, BA; Y Catherine Han, MS; Jessica Kassanits, BS; Corrine H. Miller, MS; Cindy J. Nowinski, MD, PhD; Jordan N. Stoeger, MEd; Kathleen Swantek, MS; Julie N. Hook, PhD, MBA; Richard C. Gershon, PhD

Northwestern University, Chicago, IL, USA

INTRO

- The NIH Toolbox for Assessment of Neurological and Behavioral Function® (NIH Toolbox®) assesses sensory, motor, emotional, and cognitive functioning across the lifespan
- It was designed for use in research
- This scoping review assessed uses of NIH Toolbox with clinical populations

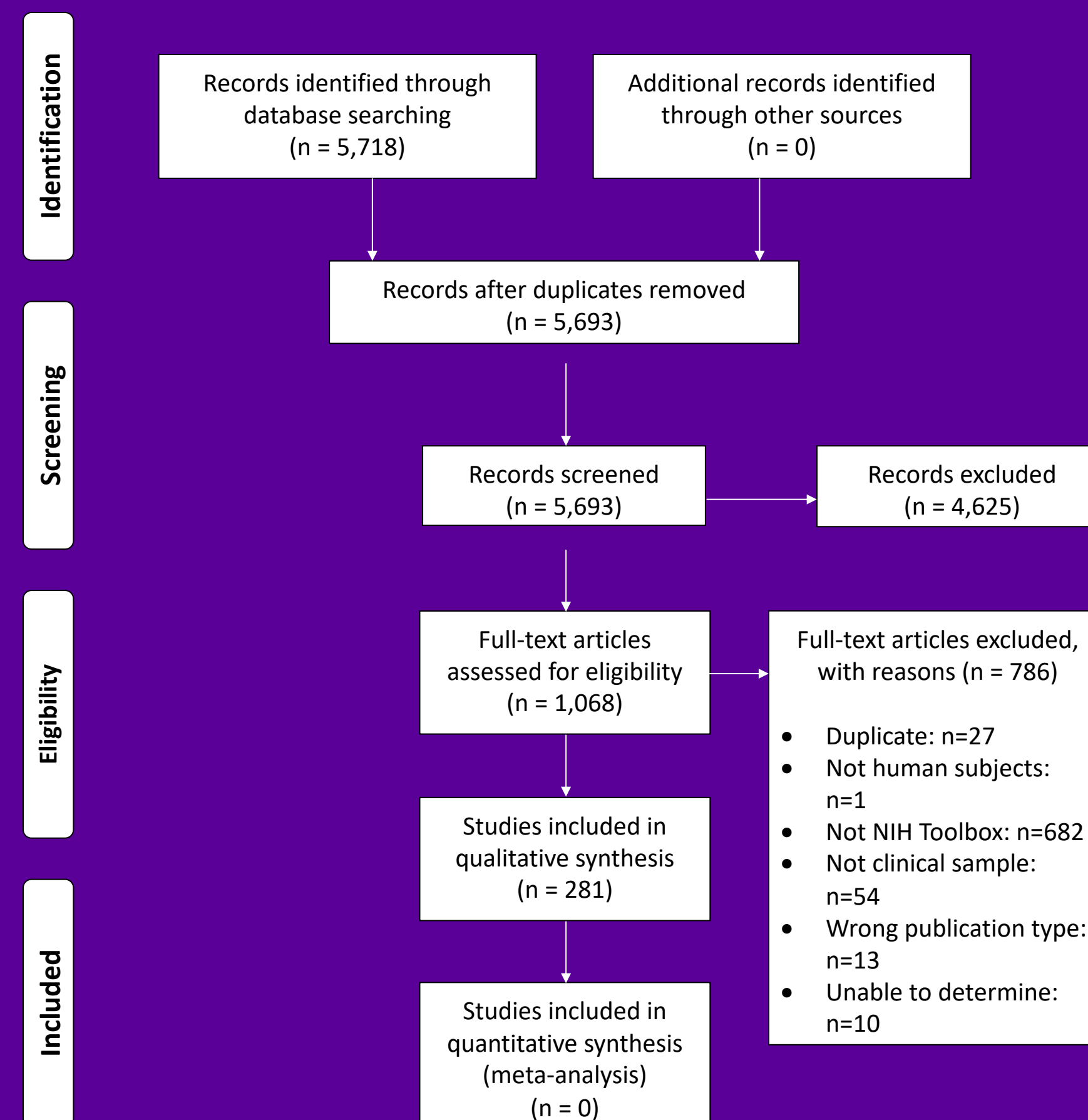
METHODS

- Searched PubMed MEDLINE, PsychINFO, ClinicalTrials.gov, EMBASE, and ProQuest from 2008-present
- Found 5,693 unique titles
- All stages of review completed by 2+ reviewers
- Included: original research using 1+ NIH Toolbox assessment in a sample characterized by a clinical diagnosis
- Excluded: review articles and editorials

FUNDING

National Institute on Aging U2CAG057441, and The ECHO program, Office of the Director, NIH, under award number U24OD023319.

The **NIH Toolbox**, particularly the **cognition battery**, has been **widely used with clinical populations**. Results lay the groundwork for uses of the NIH Toolbox in clinical settings and for clinical purposes.



Of 281 included records:
Record Type

- 104 Journal articles (37%)
- 84 Conference abstracts (30%)
- 86 ClinicalTrials.gov records (31%)
- 7 Theses/dissertations (2%)

Study Design

- 112 Observational (40%)
- 169 Experimental (60%)

Funding Source (N = 120)

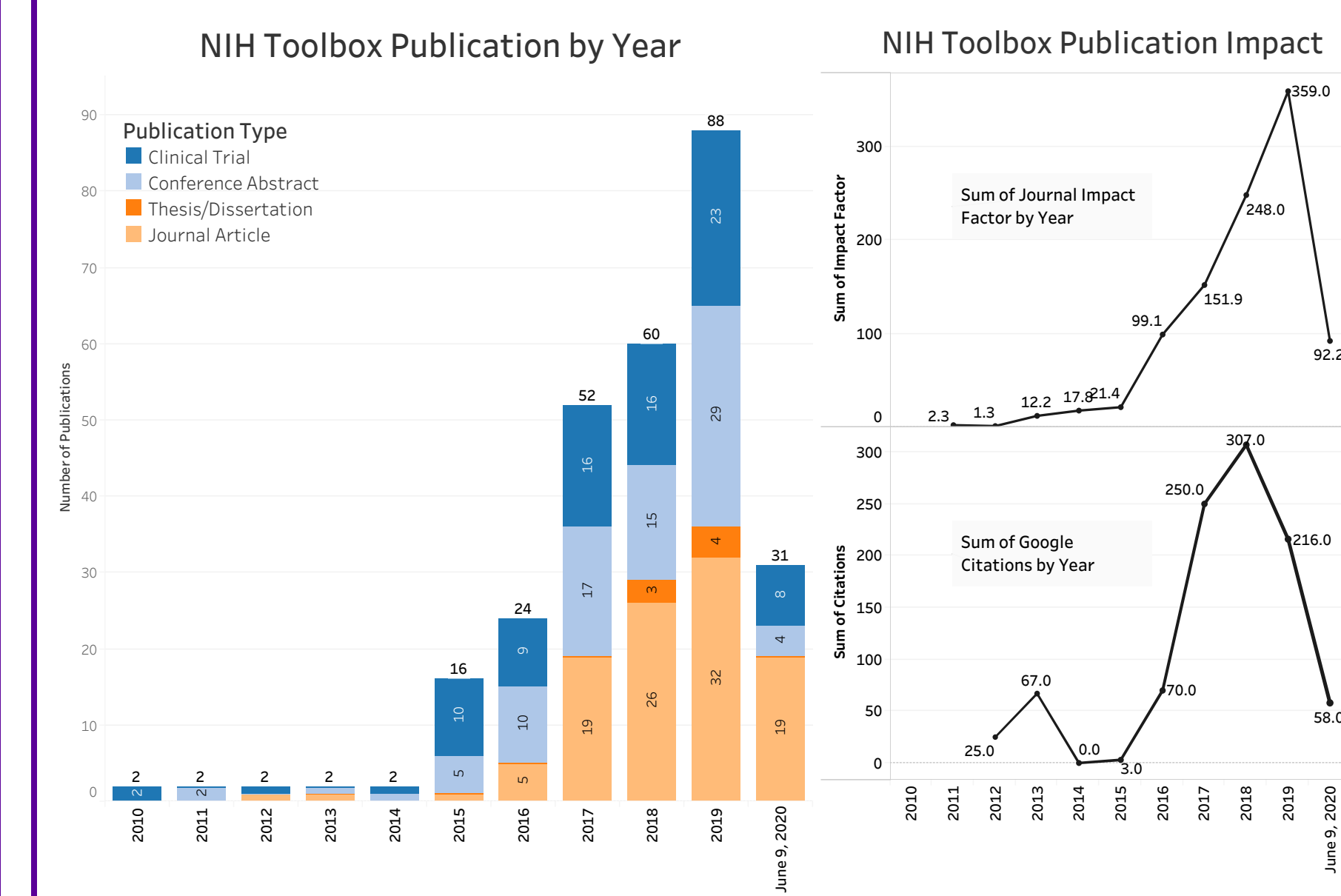
- 87 NIH (73%)
- 33 Foundations (27%)
- 29 Institutions (24%)
- 15 Other government source (12%)
- 5 Unfunded (4%)
- Note: some reported >1 source*

www.nihtoolbox.org

gershon@northwestern.edu

RESULTS

Number and impact of publications by year



Clinical conditions evaluated by domain

