

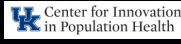


**FROM OUTPUTS TO OUTCOMES: MEASUREMENT STRATEGIES IN EAS**

Nancy Paschall  
Executive Director, HALTER, SC

Kimberly I. Tumlin, PhD, MS, MPH  
Research Assistant Professor, University of Kentucky

Sarah Newman, MD, Path Intl. CTRI and ESMHL  
Program Coordinator, HALTER, SC

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1

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**OUR JOURNEY**




**THE CALL TO ACTION**  
outcomes versus output




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2

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**Learning Objectives**

- Identifying how outcomes can improve sustainability of programs
- Provide example for measuring change across populations we serve
- Share actionable steps to share, customize, and implement measurement

Authors do not have conflicts of interest to report

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3

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Research Readiness Checklist (Paschall, Gabriels, and Peters, 2019)

Location    Financial Capacity & Management    Center Operations    Equines & Equipment    Volunteers    Environment    Documentation

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4

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Key Collaboration Touchoints for an Organization

- Accuracy is advocacy.
- An assessment communicates important information about the people we serve.
- Impact (workload) is more important than productivity.
- Time early on is often more valuable than later.

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5

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But how do we capture change?

25,000 Sessions	2800 Kids	2100 Families	200 Volunteers
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6

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**We must measure what we want to change**

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7

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**Collaboration: International Classification of Functioning**

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**HALTER**  
Equine Assisted Services

8

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**Collaboration: Pedi-Cat assessment**

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9

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### Collaboration: Pedi-Cat assessment



- Responsibility**
  - Opens door with lock and key
  - Dries hair with towel
  - Puts on socks
  - Removes lid from plastic food containers
- Social Cognition**
  - Stays quiet in public
  - Writes short notes
  - Uses watch or clock
  - Ask peers to play
  - Greet new people
- Mobility**
  - Pumps legs and swings
  - Steps up/down curbs
  - Walks holding onto furniture or walls
  - On belly pushes up with hands
- Daily Activities**
  - Prioritizes multiple goals
  - Copes with stress or worry
  - Fixes simple meals
  - Eats safely

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10

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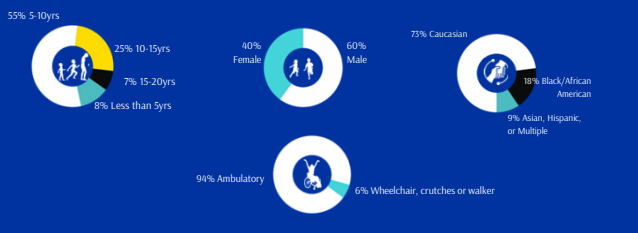
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### Collaboration: Pedi-Cat assessment



n=85 YWD 100 days 2020-2023



- Age Distribution:**
  - 55% 5-10yrs
  - 25% 10-15yrs
  - 7% 15-20yrs
  - 8% Less than 5yrs
- Gender:**
  - 40% Female
  - 60% Male
- Race:**
  - 73% Caucasian
  - 18% Black/African American
  - 9% Asian, Hispanic, or Multiple
- Mobility:**
  - 94% Ambulatory
  - 6% Wheelchair, crutches or walker

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11

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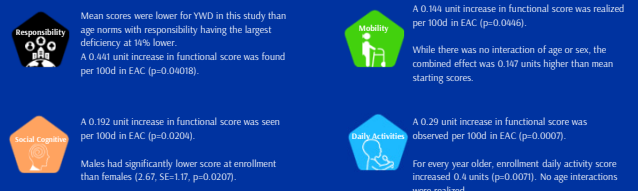
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### Collaboration: Pedi-Cat assessment



- Responsibility**

Mean scores were lower for YWD in this study than age norms with responsibility having the largest deficiency at 14% lower.

A 0.441 unit increase in functional score was found per 100d in EAC (p=0.04018).
- Social Cognition**

A 0.192 unit increase in functional score was seen per 100d in EAC (p=0.0204).

Males had significantly lower score at enrollment than females (2.67, SE=1.17, p=0.0207).
- Mobility**


A 0.144 unit increase in functional score was realized per 100d in EAC (p=0.046).

While there was no interaction of age or sex, the combined effect was 0.147 units higher than mean starting scores.
- Daily Activities**

A 0.29 unit increase in functional score was observed per 100d in EAC (p=0.0007).

For every year older, enrollment daily activity score increased 0.4 units (p=0.0071). No age interactions were realized.

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12

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### What outcomes do you want to measure?



- 1) Create a list of ways in which you are already measuring change
  - Engagement/Participation
  - Functional outcome



- 2) What relationships have you built to leverage ability to improve change measurement?

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13

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### Necessary Commitments



Information management:

- Gathering data
- Who?
- Link to organizational goals/values



Leadership Supports

- Inform programming
- Empowering parents/caregivers
- Engaging with community

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14

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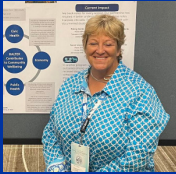
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### For more information






Nancy Paschall  
Nancy@HalterSC.org



Sarah Newman, MD  
Sarah@HalterSC.com



Kimberly I. Tumlin  
Research Assistant Professor  
University of Kentucky  
Facilitating research for  
transformation in care systems  
kimberly.tumlin@uky.edu  
+1 8592251000

15

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