

Budget Impact of implementing a Financial Navigation Program for Cancer Patients in Nigeria: Results from the COST-FIN Trial

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Disclosure

- No relevant financial relationships with ineligible companies to disclose
- This study is generously funded by the :

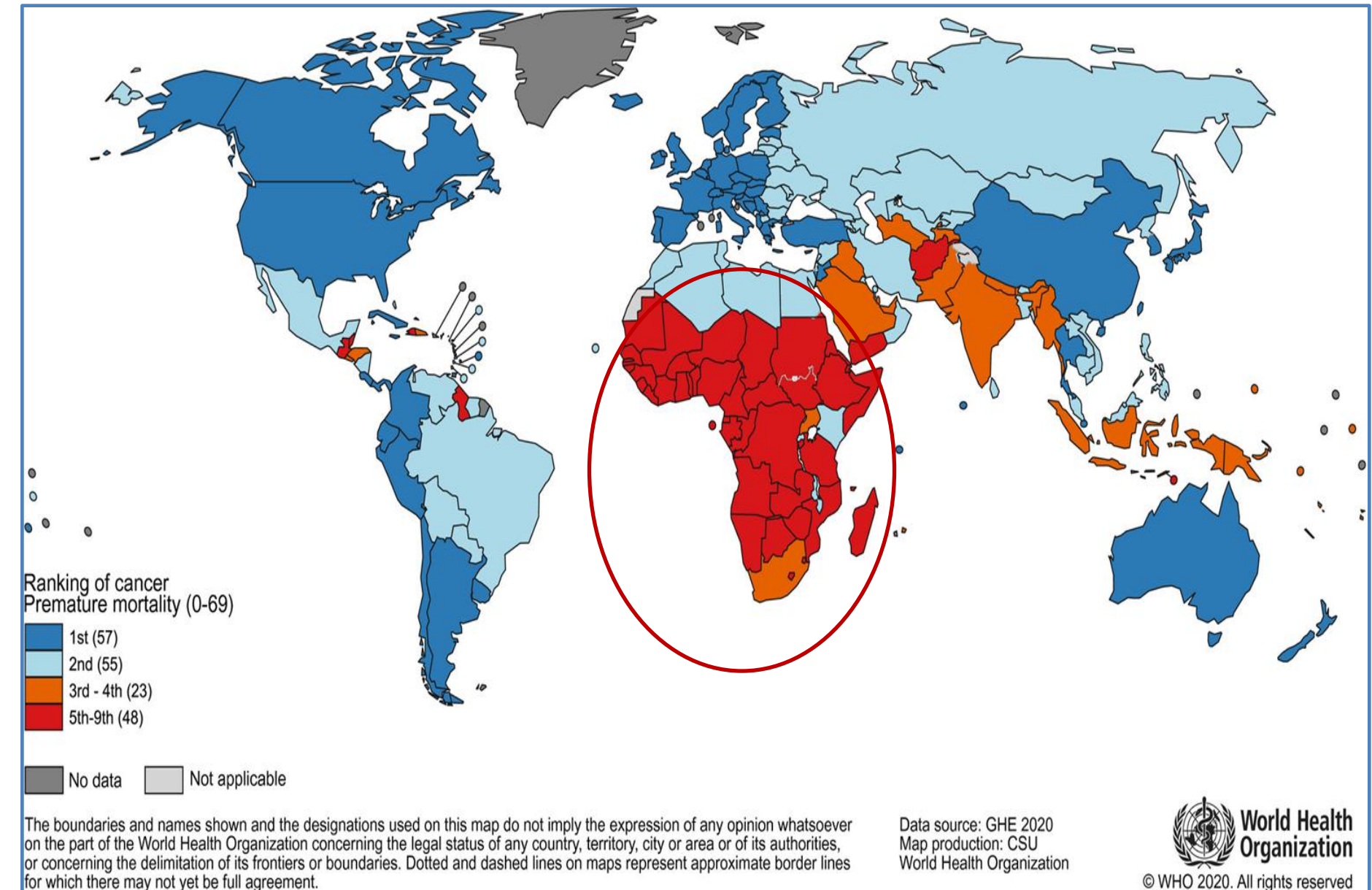
Global Health Catalyzer Grant by Northwestern University
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(PI: Juliet Lumati MD MPH FACS FSSO)

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Background- Global Disparities in Cancer Burden

- 70% of new cases will occur in LMICs by 2030
- 80% of cancer deaths occur in LMICs
- *SSA has the highest premature death rates from cancer*
- **ACTION study (N=8000)**
75% of newly diagnosed patients died or faced financial catastrophe at one-year follow-up



Source: Catastrophic health expenditure and 12-month mortality associated with cancer in Southeast Asia: BMC 2015
Source: GLOCAN 2020

Study Aims and Design

Can a novel **financial navigation program (FNP)** reduce the financial burden and improve treatment adherence of cancer patients in Nigeria? ➡

COST-FIN: First Pragmatic RCT in SSA!

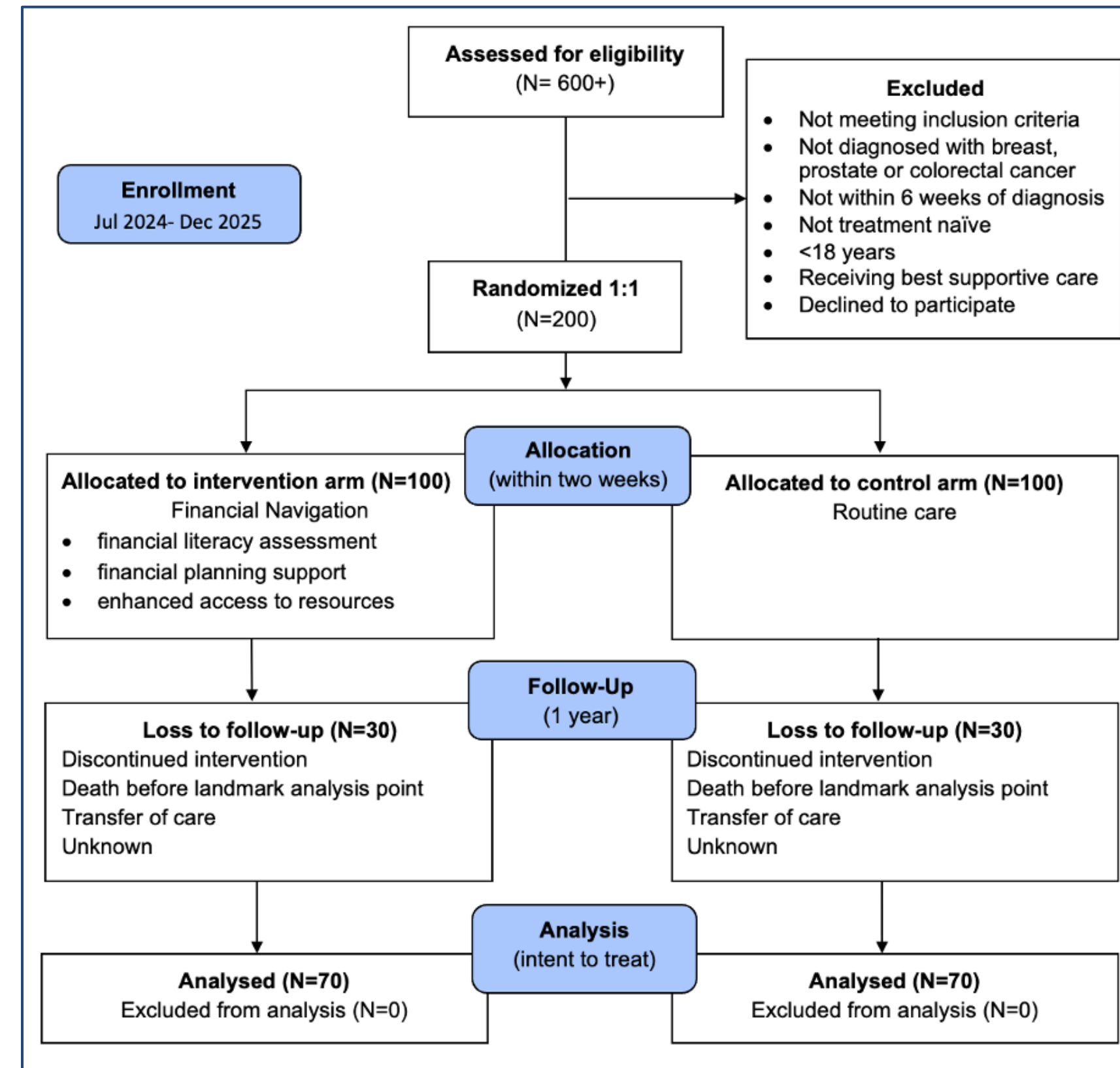
(ClinicalTrials.gov NCT06630962)

Study Aims:

Aim 1: Evaluate the impact of financial navigation on risk of **financial catastrophe (FC)**

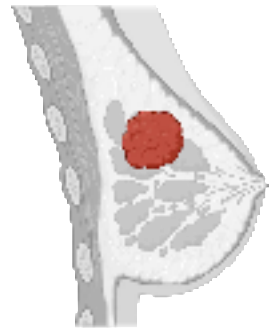
Aim 2: Evaluate the impact of financial navigation on **financial distress (FD)**

Aim 3: Conduct a **budget impact and cost-effectiveness analysis** of the Financial Navigation Program (FNP)



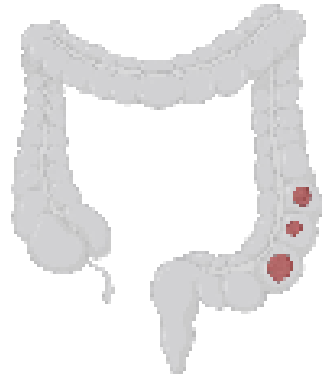
Results- Baseline Characteristics

Breast



(64%)

Colorectal

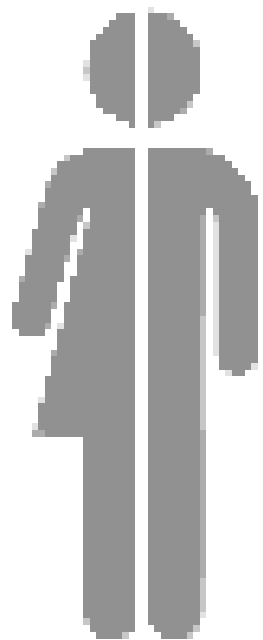


(17%)

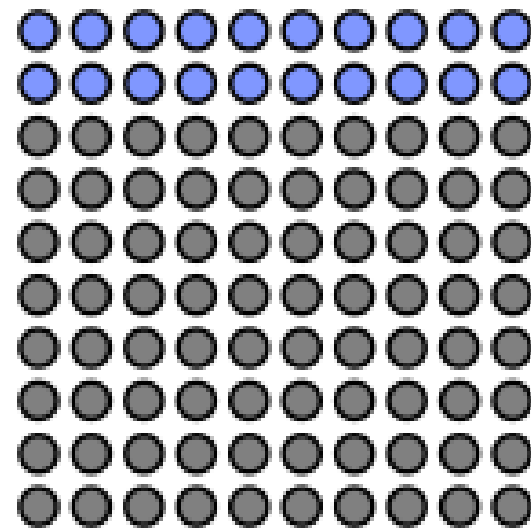
Prostate



(19%)



Female
68%

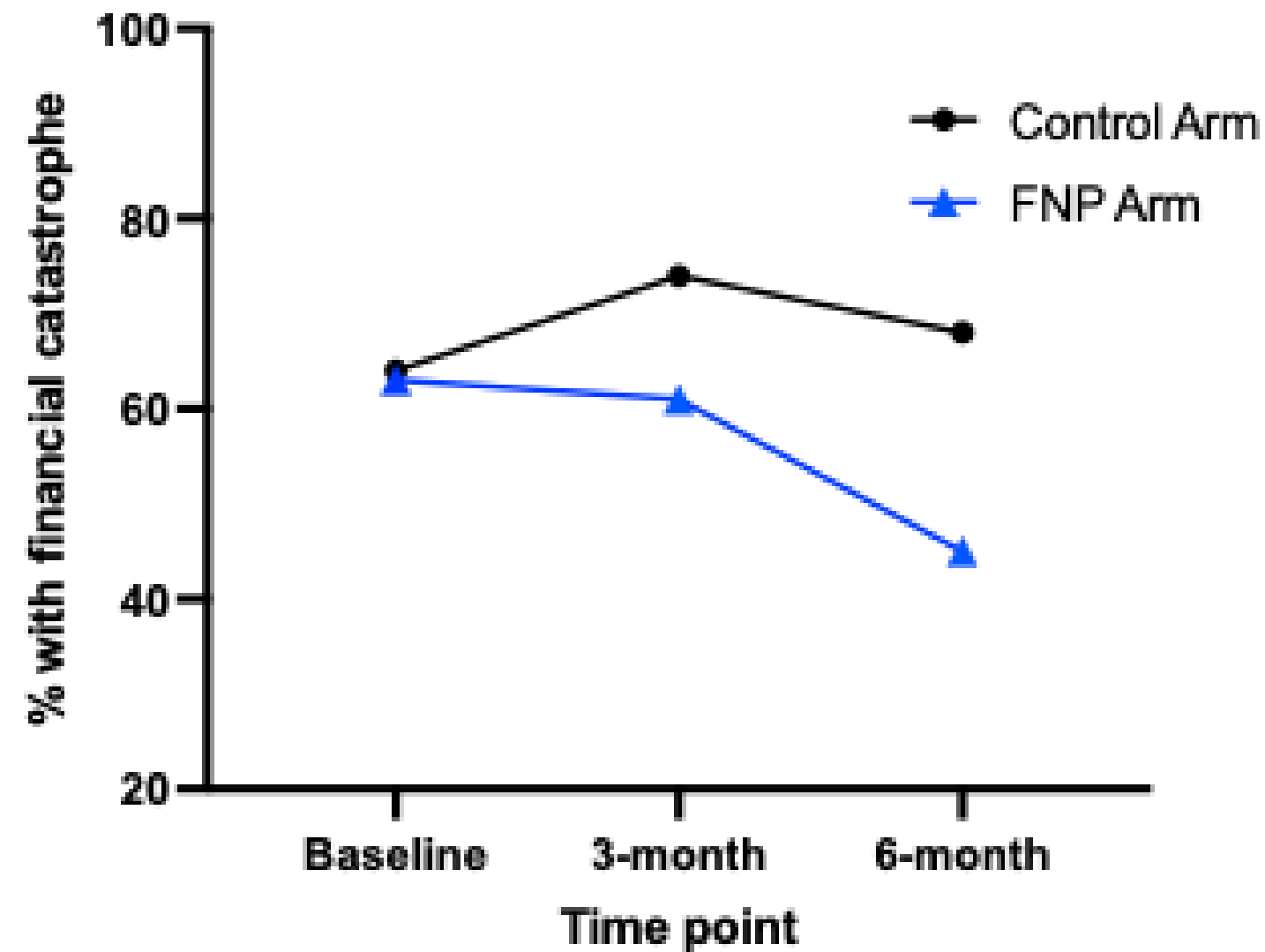


Insured
20%

| Socioeconomic Characteristics | Overall N = 170 ¹ | Control (RC) N = 77 ¹ | Treatment (FN) N = 93 ¹ | p- value ² |
|---|---------------------------------|-------------------------------------|---------------------------------------|--------------------------|
| Monthly Household Income | | | | 0.5 |
| Mean (SD), USD | 193 (496) | 187 (424) | 199 (554) | |
| Monthly Household Expenses | | | | 0.7 |
| Mean (SD), USD | 174 (219) | 171 (217) | 177 (221) | |
| Monthly Household Expenses on Food | | | | >0.9 |
| Mean (SD), USD | 93 (100) | 96 (99) | 92 (102) | |
| Employment | | | | 0.5 |
| Unemployed | 30 (18%) | 10 (13%) | 20 (22%) | |
| Employed | 72 (42%) | 35 (45%) | 37 (40%) | |
| Retired | 44 (26%) | 21 (27%) | 23 (25%) | |
| Insurance Type | | | | 0.8 |
| Government insurance (NHIS) | 21 (62%) | 10 (59%) | 11 (65%) | |
| Private Purchased Commercial insurance | 7 (21%) | 3 (18%) | 4 (24%) | |
| Economic Hardship in the last 12 mos | | | | 0.10 |
| Yes | 102 (60%) | 41 (53%) | 61 (66%) | |

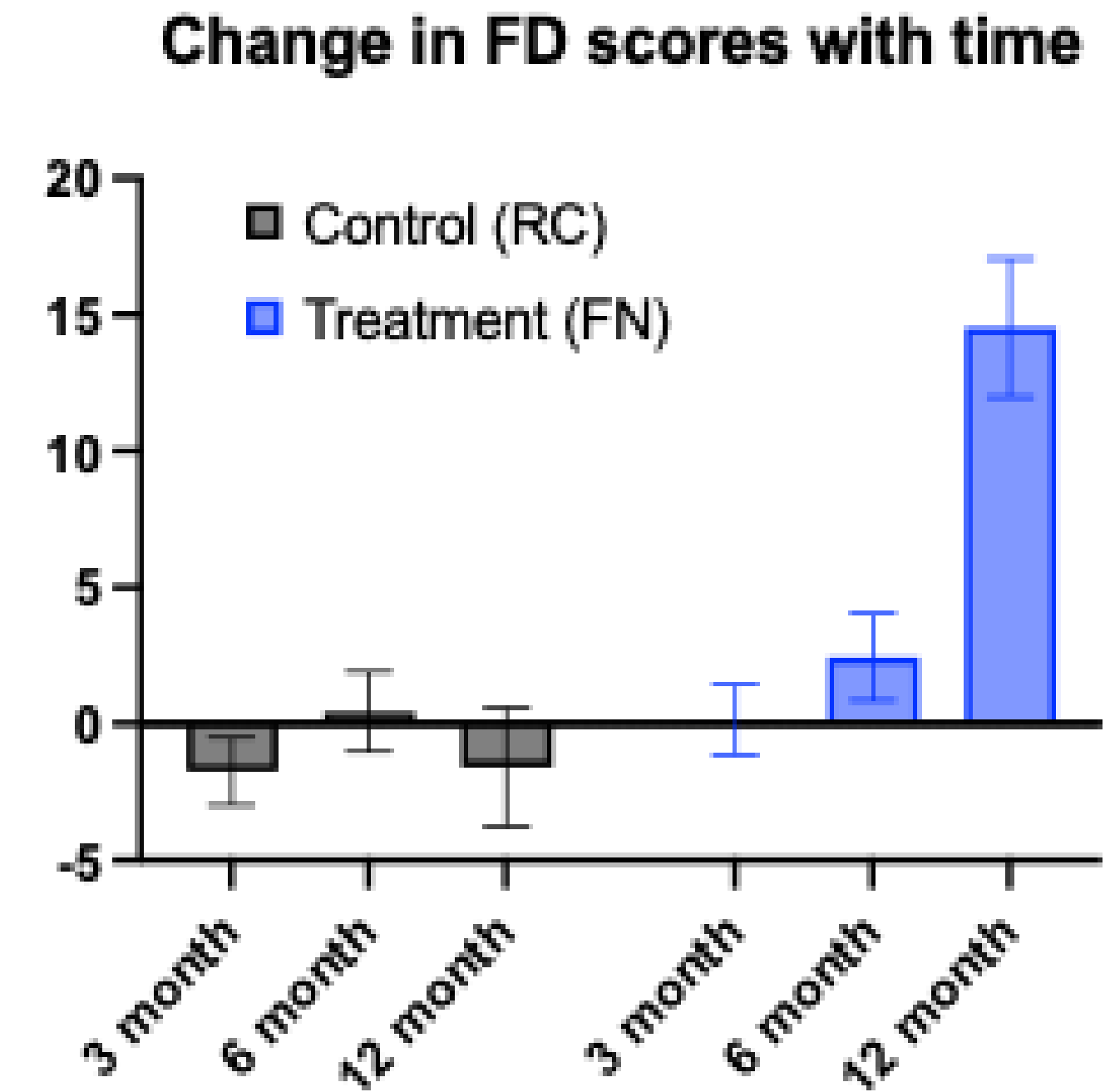
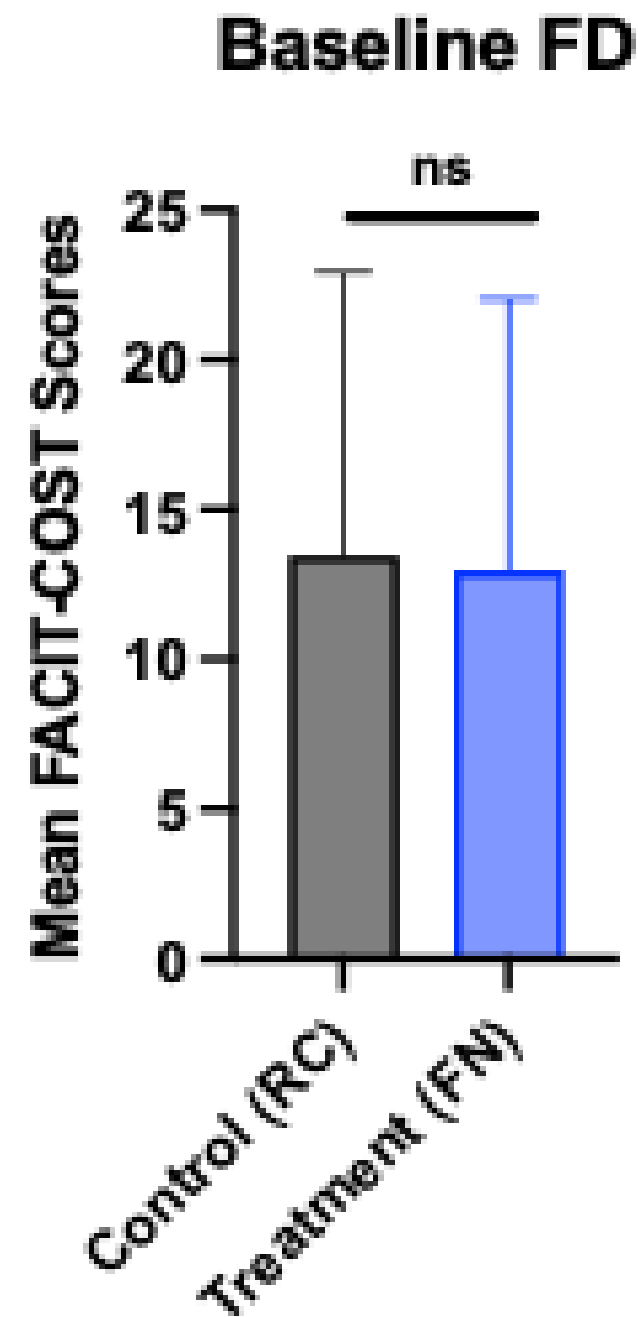
Results- Financial Catastrophe (FC) & Distress (FD)

FC: healthcare expenditure > 40% non-subsistence expenditures (HSE)



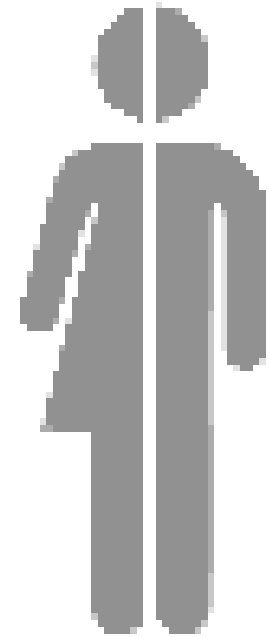
FN arm had **90%** lower odds of FC at **6 months**, compared to controls

FD: measured by the validated **FACIT-COST** tool
Scores range from **0 to 44**, lower scores = higher distress



Results- Budget Impact & Cost-Effectiveness

Patient-level



- Treatment receipts
- Access to benefits/discounts
- Navigation utilization data
- Cost-related treatment adherence

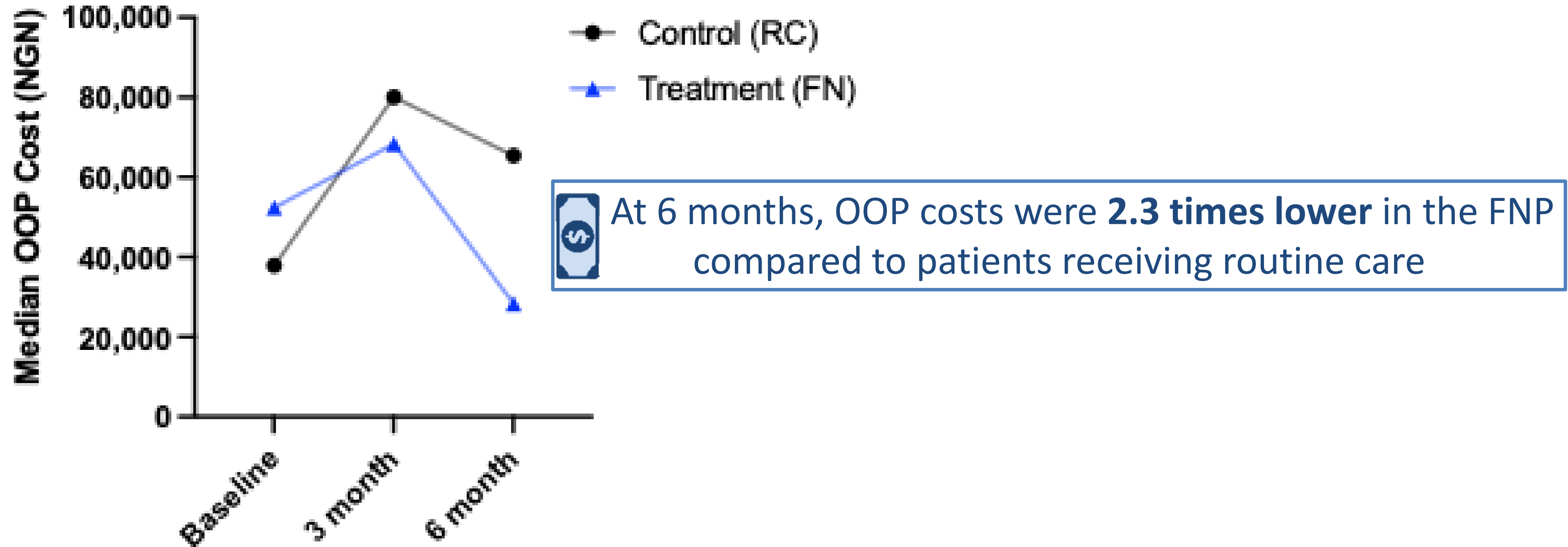
Program-level



- FN training and coaching costs
- FN personnel costs
- Program implementation costs
- Documented cost savings

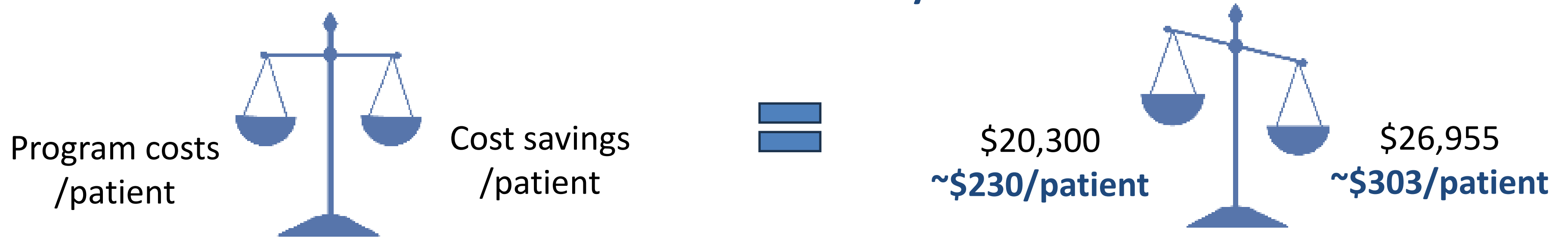
Results- Individual patient level


Patient level OOP cost-savings



Results- Program level

Cost-Benefit Analysis



 Net ROI: $\$303 - \$230 / \$230 = 32\%$
“For every \$1 spent on the program, \$1.32 is saved.”

Financial Navigation hours



5000 hours = 56 hours/patient =
~ 169 “20-minute” clinic visit
equivalents per patient

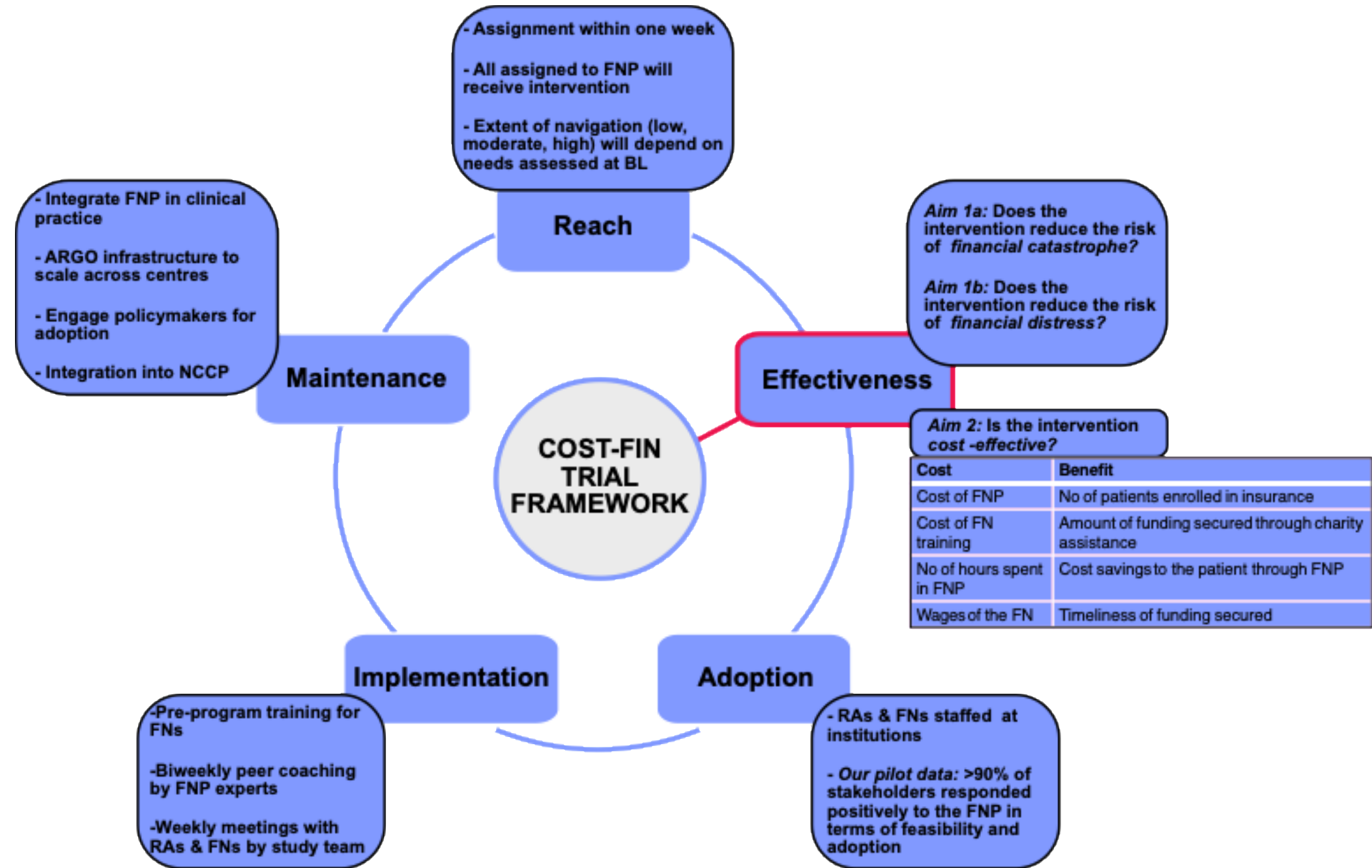
Cost-related treatment non-adherence



8.7% in control arm
VS
0% in the FNP arm

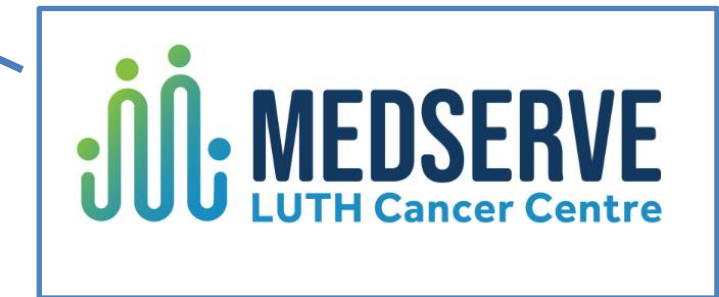
Summary

- Interim results demonstrate benefit of our novel financial navigation program
- Importantly, the program proves to be
 - ❖ **Cost-effective**
 - ❖ **Feasible**
 - ❖ **Scalable**
- Rationale for broader implementation into the **Nigerian National Cancer Control Plan** and in **SSA at large**



FNP- Financial Navigator Program. BL- Baseline. FN- Financial Navigator. RA- Research Assistant. ARGO- African Research Group in Oncology. NCCP- Nigeria National Cancer Control Plan.

Thank you!



Financial Navigation Expertise:

The NaVectis Group



Learn more OR
get involved:



