

INVENTORYING THE LITERATURE ON ARTHRITIS APPROPRIATE EVIDENCE-BASED INTERVENTIONS

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Background

Project Overview

Activity 1: Gap Analysis

Objective Strengthen evidence base and guide public health practice.

Task Inventory all literature on AAEBIs and document populations studied, known effects, and economic analyses; perform gap analysis.

Activity 2: Value Calculation

Objective Identify “best value” and “good value” Arthritis Appropriate Evidence-Based Interventions (AAEBIs).

Task Develop and apply methodology to calculate the public health impact and value of AAEBIs.

Recommended

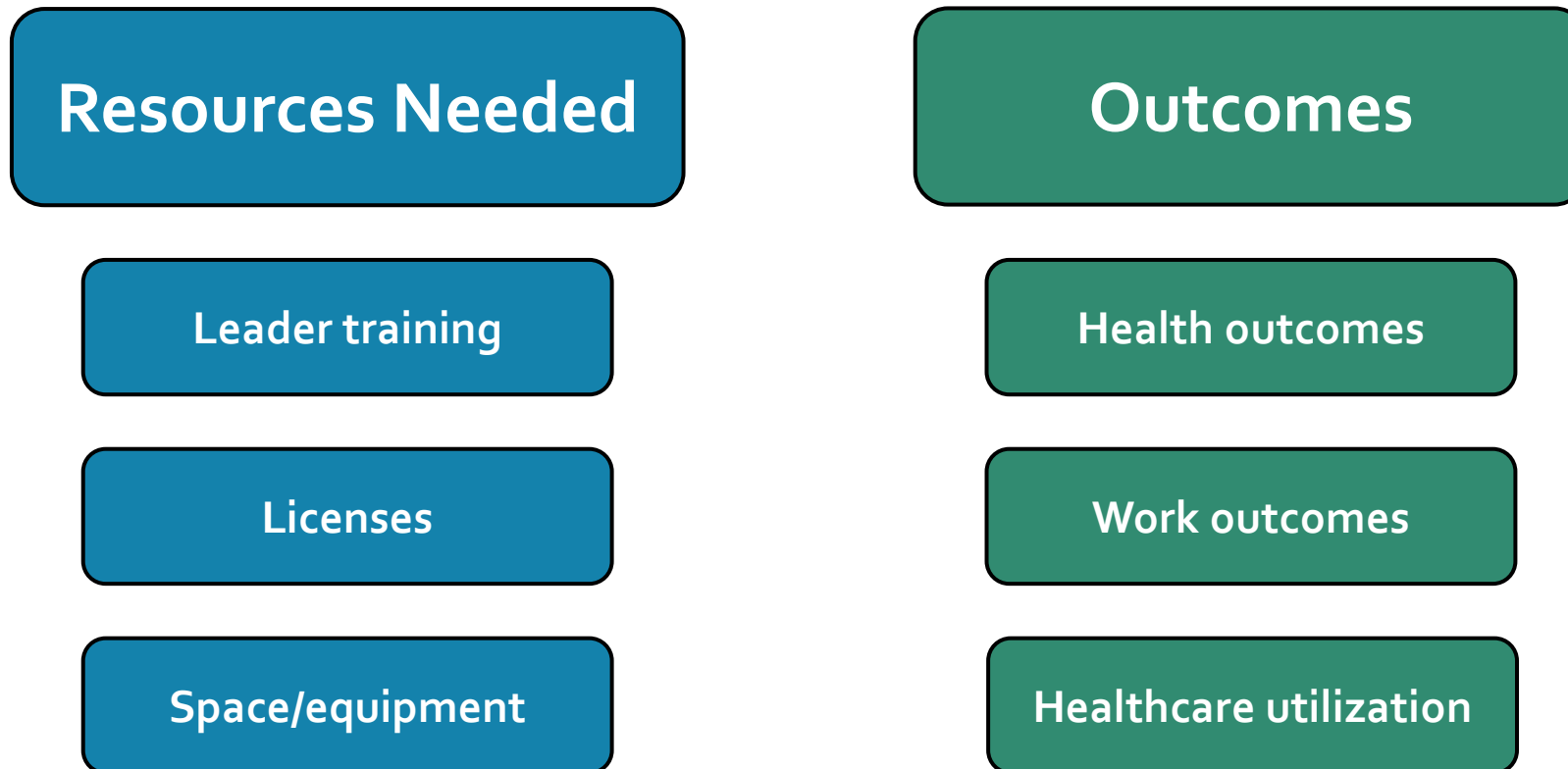
● Excellent ● Very Good ○ Good ◐ Fair ● Poor

	Prepaid Cards	Score				
Recommended			Value	Safety	Fee Accessibility & Clarity	Convenience
	<input checked="" type="checkbox"/>	Bluebird (American Express and Walmart)	79	●	●	●
<input checked="" type="checkbox"/>	Chase Liquid (Visa)	77	○	●	●	●
<input checked="" type="checkbox"/>	Green Dot Prepaid Visa (issued by Green Dot Bank)	75	○	●	●	●
<input checked="" type="checkbox"/>	Halogen Reloadable Prepaid Card (MasterCard, Kmart, issued by Green Dot Bank) ¹	75	○	●	◐	●
<input checked="" type="checkbox"/>	American Express Serve	74	◐	●	●	◐
<input checked="" type="checkbox"/>	H&R Block Emerald Prepaid MasterCard (issued by BofI Federal Bank)	73	●	●	●	◐
<input checked="" type="checkbox"/>	Fifth Third Bank Access 360° (MasterCard)	67	◐	●	●	◐
	Prepaid Visa RushCard, RushUnlimited Plan (issued by MetaBank)	67	◐	●	●	●

Methodology Development

Step 1: Determine Key Variables

Example



Step 2: Develop Scoring Rubric

Example

Licensing fees

1

\$0-\$100

2

\$101-\$500

3

>\$500

Step 3: Score Each Intervention Using Rubric

Example

$$\begin{aligned} & \text{Equipment} = 1 \quad + \quad \text{Time} = 1 \quad + \quad \text{Licensing fees} = 3 \\ & = \text{Resources Needed} = 5 \end{aligned}$$

Step 4: Calculate Total Score for Interventions

Example

Intervention	Leader Training	License Fees	Equipment	Time	Effectiveness	Score
Walk with Ease	5	6	6	9	1	27
ASMP	3	2	1	4	9	19
CDSMP	6	7	2	7	3	25
AF Exercise	2	2	3	1	8	16
AF Aquatics	8	8	4	2	3	25

Questions?



Discussion

Brainstorming Question

Which aspects of the interventions are most important to you and why?

Thank You

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Appendix Slides

CDC Arthritis Program's List of AAEBIs

	Recommended	Promising
Physical Activity	Active Living Every Day	Arthritis Foundation Aquatic Program
	EnhanceFitness	Arthritis Foundation Exercise Program
	Fit & Strong!	Walk With Ease (Self-Directed)
	Walk With Ease (Group)	
Self-Management Education	Chronic Disease Self-Management Program	Better Choices, Better Health
	Tomando Control de su Salud (Spanish Chronic Disease Self-Management Program)	Better Choices, Better Health for Arthritis
	Arthritis Self-Management Program	The Chronic Disease Self-Management Program Toolkit
	Programa de Manejo Personal de la Arthritis (Spanish Arthritis Self-Management Program)	The Arthritis Toolkit

Brady TJ, Jernick SL, Hootman JM, Sniezek JE. Public health interventions for arthritis: expanding the toolbox of evidence-based interventions. *Journal of Women's Health* 2009;18(12):1905–1917.

Previous Work

Division of HIV/AIDS Prevention's (DHAP)'s Prevention Benefit Index

$$\frac{(\text{Cost-per-person-served}) \times 100,000}{(\text{HIV incidence rate of target population per 100,000 people}) \times (1 - \text{effect size})}$$