

## Introduction

**Prevalence:** 49.6% of people 65+ have arthritis (Barbour et al., 2017), resulting in:

- Participation restrictions in meaningful occupations
- ↓ quality of life and ↑ caregiver burden

**Social participation:** activities involving social interaction with others (AOTA, 2020)

- ↑ participation = ↑ successful aging (Payne, Mowen, & Montoro-Rodriguez, 2006)
- Individuals with arthritis report ↑ restriction (Theis, Hootman, & Wilkie, 2013) and ↓ satisfaction (Gignac et al., 2008)

**Leisure engagement:** non-obligatory, intrinsically motivated, and engaged in during discretionary time (AOTA, 2020)

- ↑ leisure = ↑ arthritis-based health (Payne et al., 2006; Son & Janke et al. 2015)
- Individuals with arthritis report symptom-related impacts (Leino et al., 2015)

**Research gaps:**

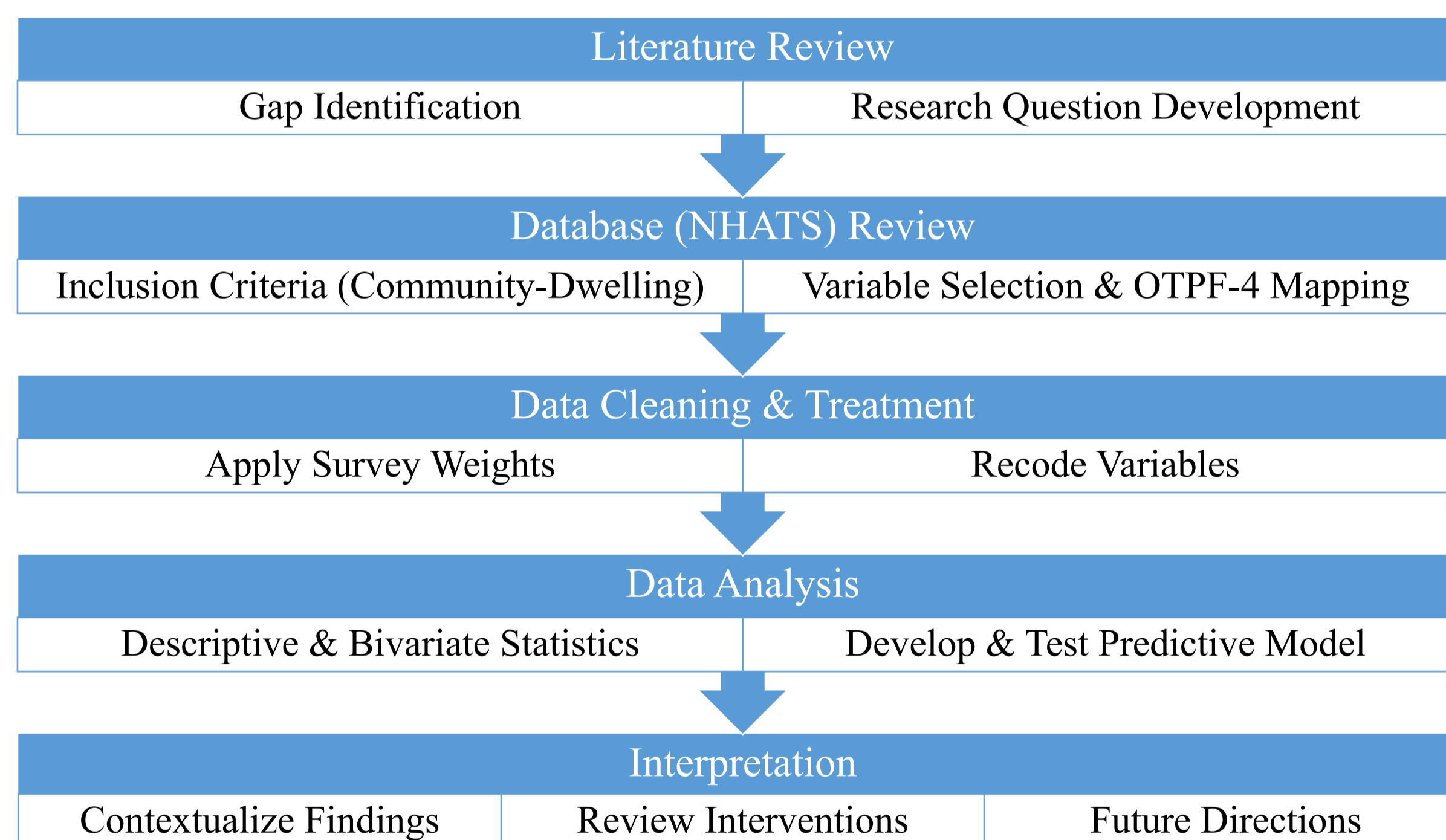
- Comprehensive definitions of leisure and social participation
- Nationally representative sample and control group

**Design:** Retrospective, cross-sectional analysis of community-dwelling elders (65+)

**Data:** National Health and Aging Trends Study (NHATS), Round 9 (2019)

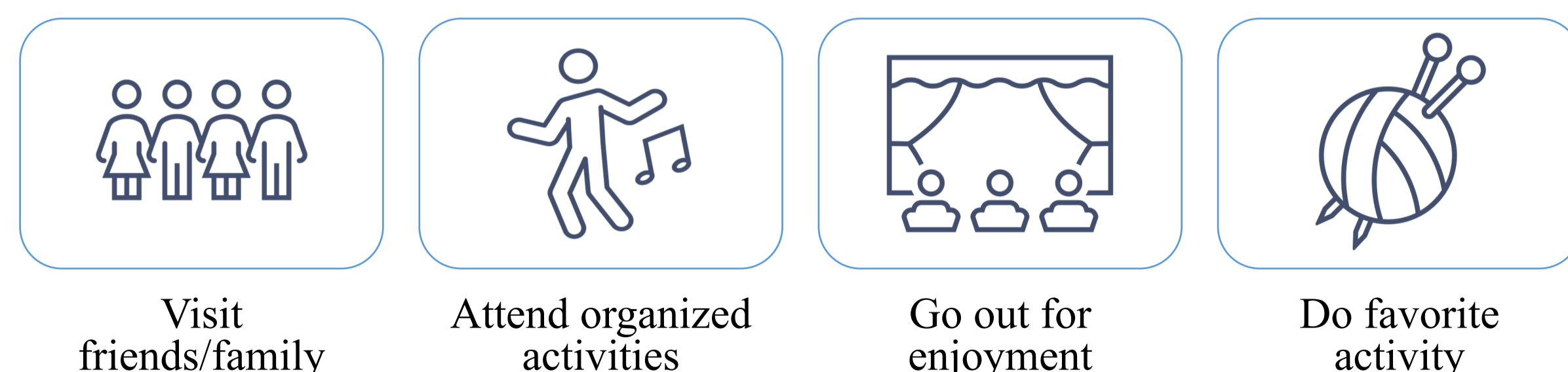
- Aim 1: Compare the social/leisure participation of older adults by arthritis status
- Aim 2: Explore what factors predict the likelihood of social/leisure restriction
- Aim 3: Characterize how individuals with arthritis engage with and respond to rehab

## Method

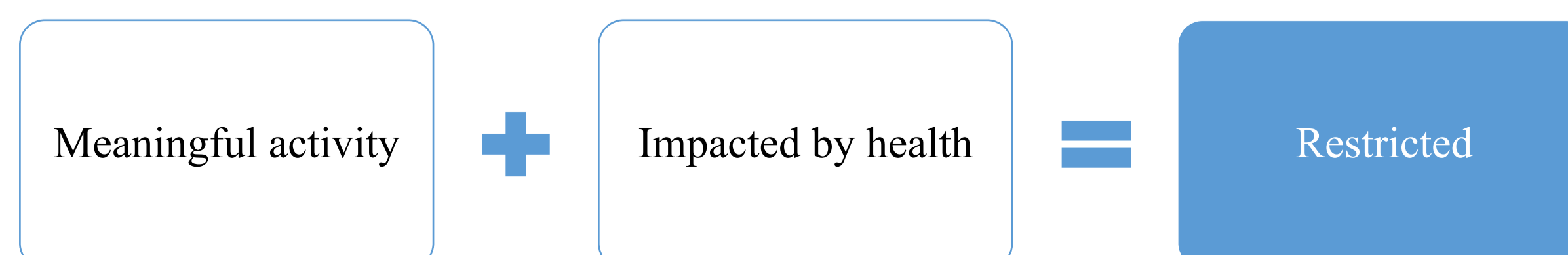


**Total Sample:** 4,043 → 70% (2,969) with arthritis, 30% (1,070) without  
 • Characteristics: 55% female, 86% 65-84 years, 80% white, 55% married/partnered

Social/leisure activities included in the analysis (reference period = last month):

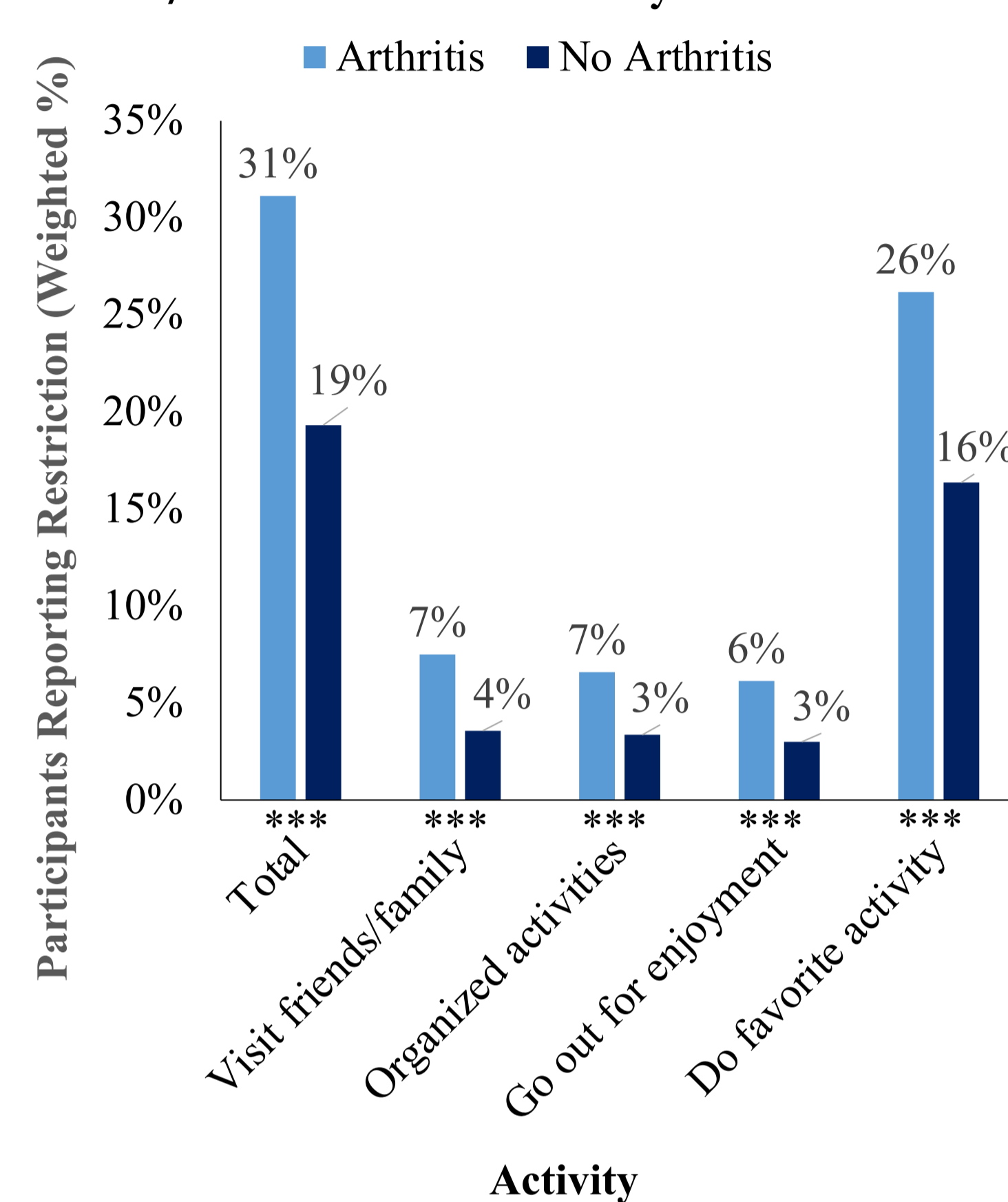


Social/leisure restriction measure:

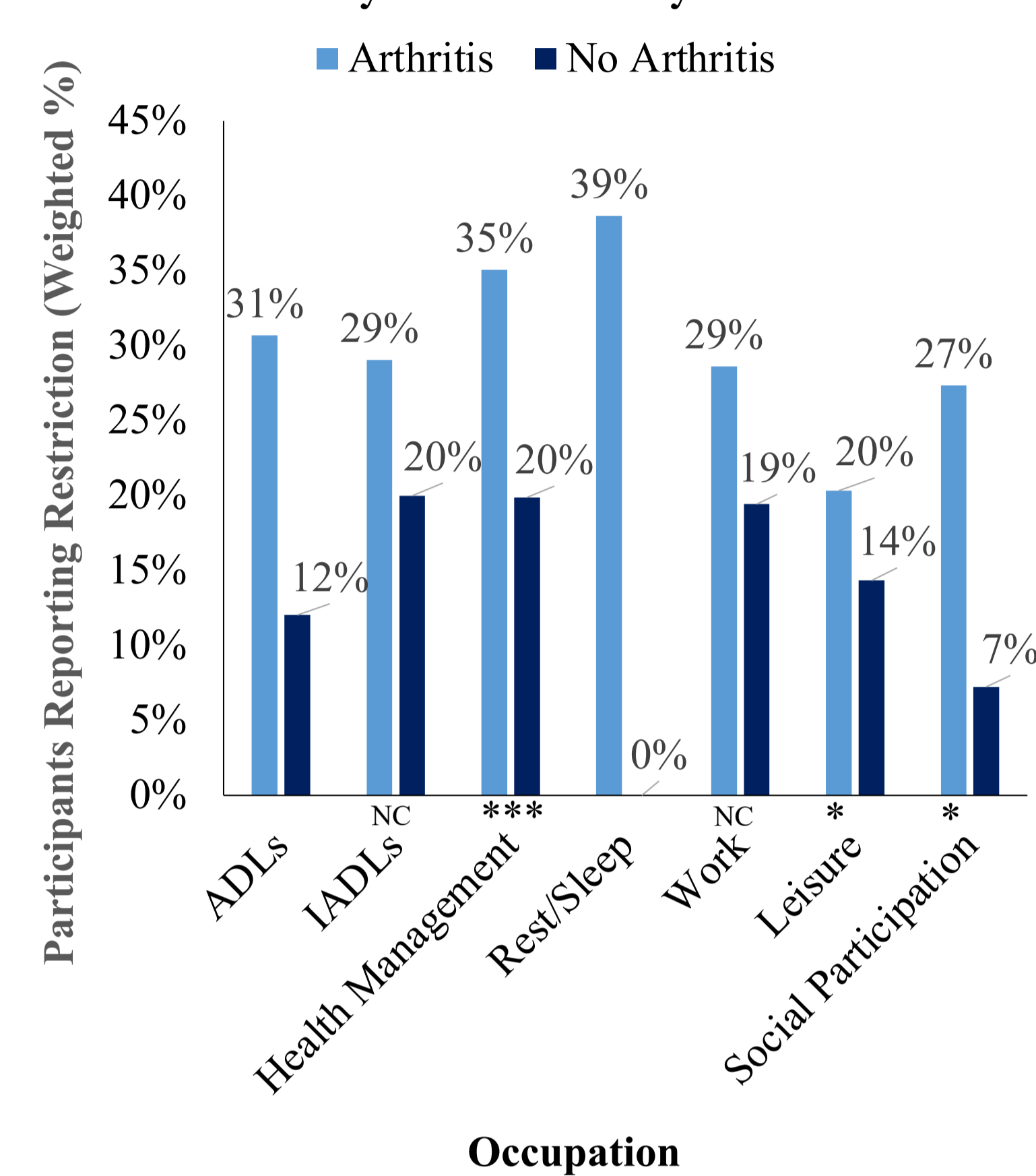


## Results

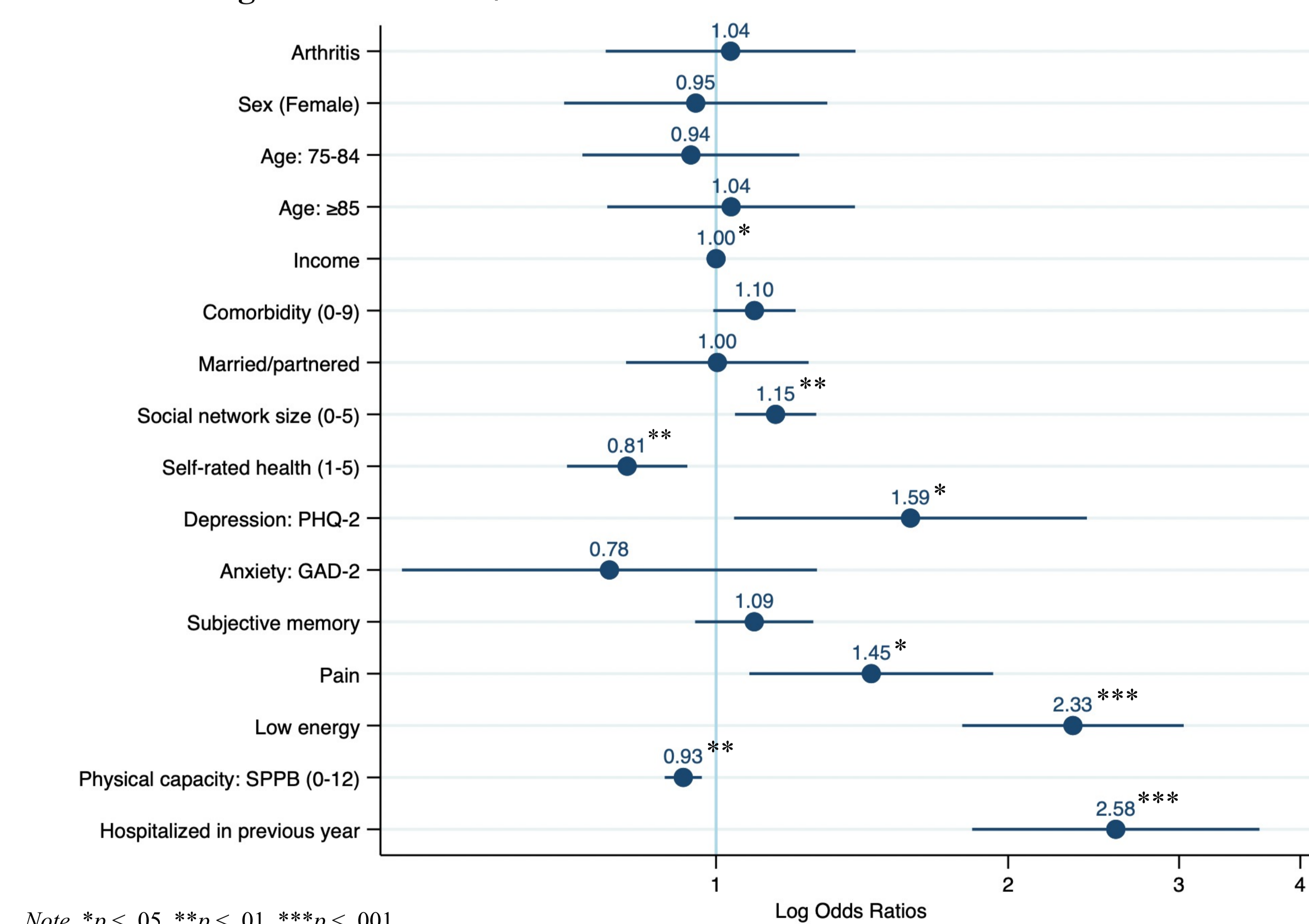
**Social/Leisure Restriction by Arthritis Status**



**Favorite Activity Restriction by Arthritis Status**



**Multivariate Regression of Social/Leisure Restriction**



Note. \* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$

### Rehabilitation Factors

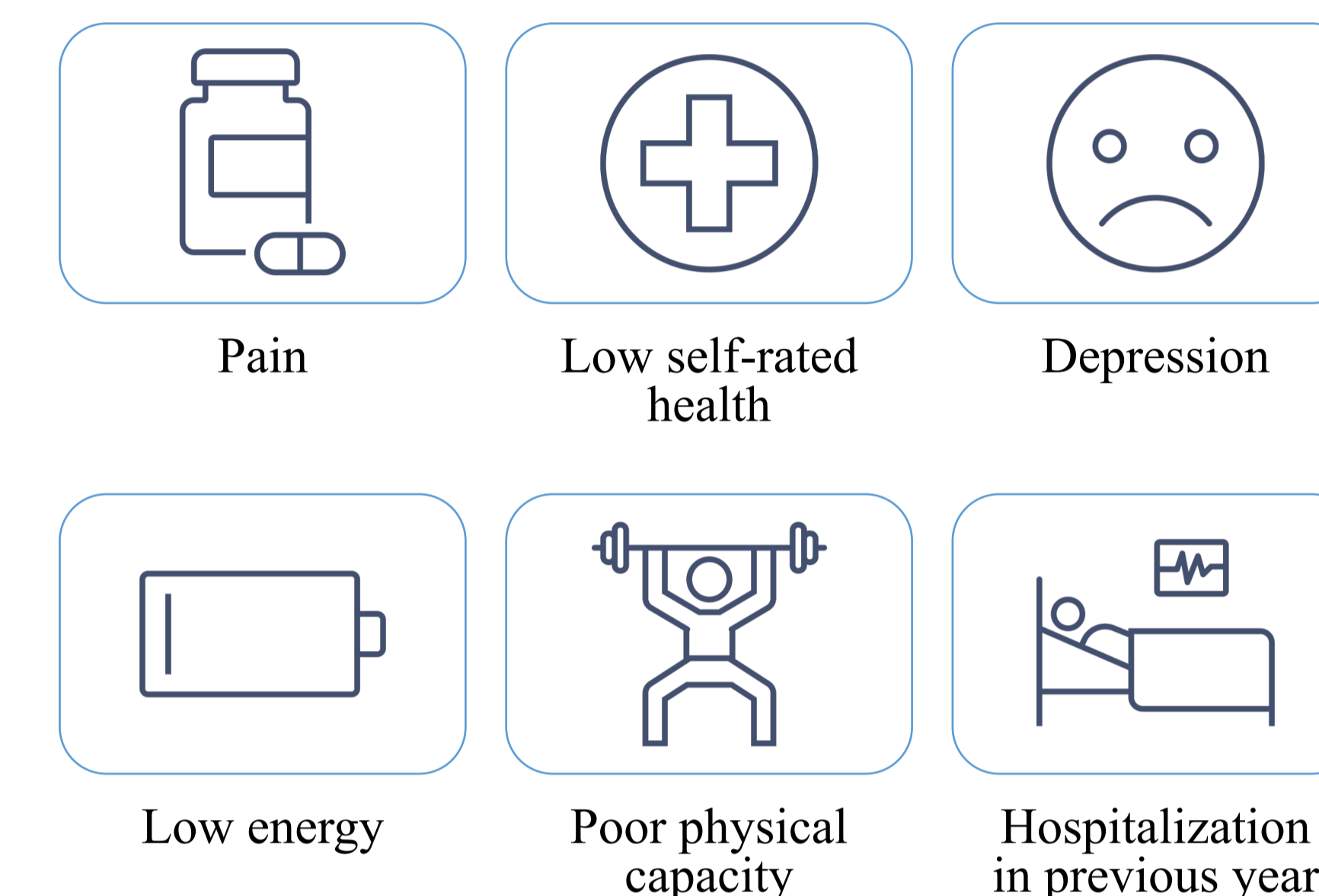
- 26% of participants with arthritis received rehab services in the last year

| Duration   | Goals  | Functioning  |
|--|--|--|
| <ul style="list-style-type: none"> <li>• &lt;1 month (18%)</li> <li>• 2-3 months (63%)</li> <li>• 4-5 months (10%)</li> <li>• &gt;6 months (9%)</li> </ul> | <ul style="list-style-type: none"> <li>• Pain level (49%)</li> <li>• Strength (60%)</li> <li>• Range of motion (64%)</li> <li>• Participation (18%)</li> </ul> | <ul style="list-style-type: none"> <li>• (During rehab, post-rehab)</li> <li>• Improved (72%, 44%)</li> <li>• No change (26%, 50%)</li> <li>• Declined (2%, 6%)</li> </ul> |

## Discussion

Older adults with arthritis experience greater social/leisure restriction than those without the condition.

- However, arthritis is **not** an independent predictor of social/leisure restriction when specific sociodemographic variables and health markers are controlled.
- Specifically, the following constructs predict an increased likelihood of restriction:



- Higher income and a larger social network was also positively correlated with restriction. Why?  
 ✓ Possible **endogeneity**: resources may provide individuals with greater opportunity to participate in these activities, resulting an increased likelihood of finding them meaningful.

**Service gap:** only 26% of those with arthritis received rehab services in the past year; however, 31% reported social and leisure activity restriction within the last month.

### Occupational therapy interventions:

- *Occupations & activities*: social participation & leisure
- *Interventions to support occupations*: orthotics, environmental modifications
- *Education & training*: joint protection, pain management, emotional regulation
- *Advocacy*: chronic illness self-management programs
- *Group*: community-based
- *Virtual*: electronic gaming

### Limitations

- Cross-sectional analysis
- Sample homogeneity
- Self-report recall bias
- Seasonality of activity participation
- Lack of activity intensity measures

### Future Directions

- Longitudinal analysis
- Disease severity
- Participation frequency
- Explore activity adaptations

## Implications

1. Regularly screen for social/leisure participation restriction when working with the community-dwelling older adult population.
2. Consider prioritizing arthritis symptomatology rather than the presence or absence of a clinical diagnosis of the condition in assessing restriction likelihood.
3. Employ evidence-based interventions to target mutable factors that can increase social/leisure restriction.

### References:

