

Self-Reported Health Related Quality of Life (HRQoL) in patients with Ischemic Heart Disease: A Randomized Controlled Trial on Digital Health Pharmacist Interventions

HSD101



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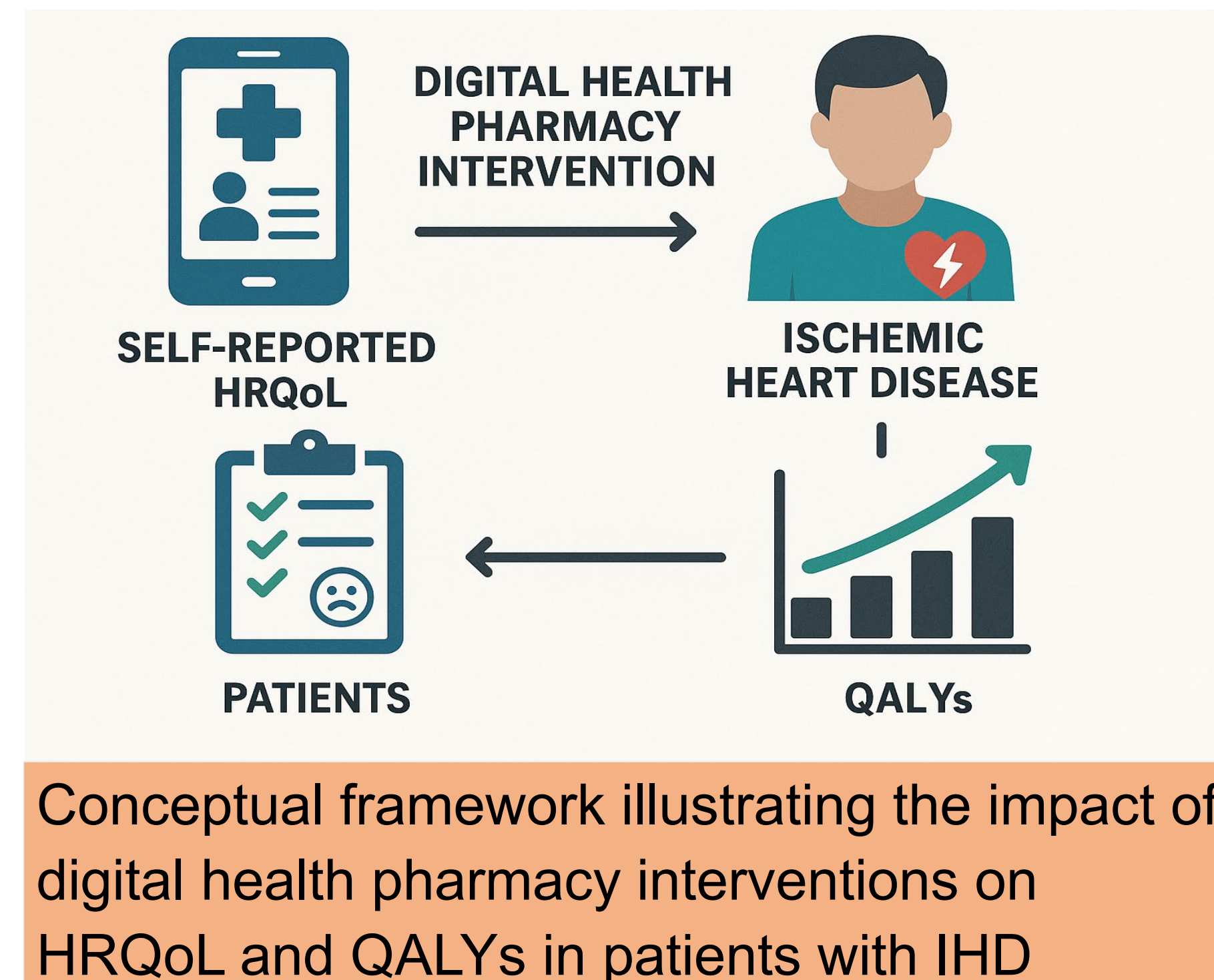


BACKGROUND

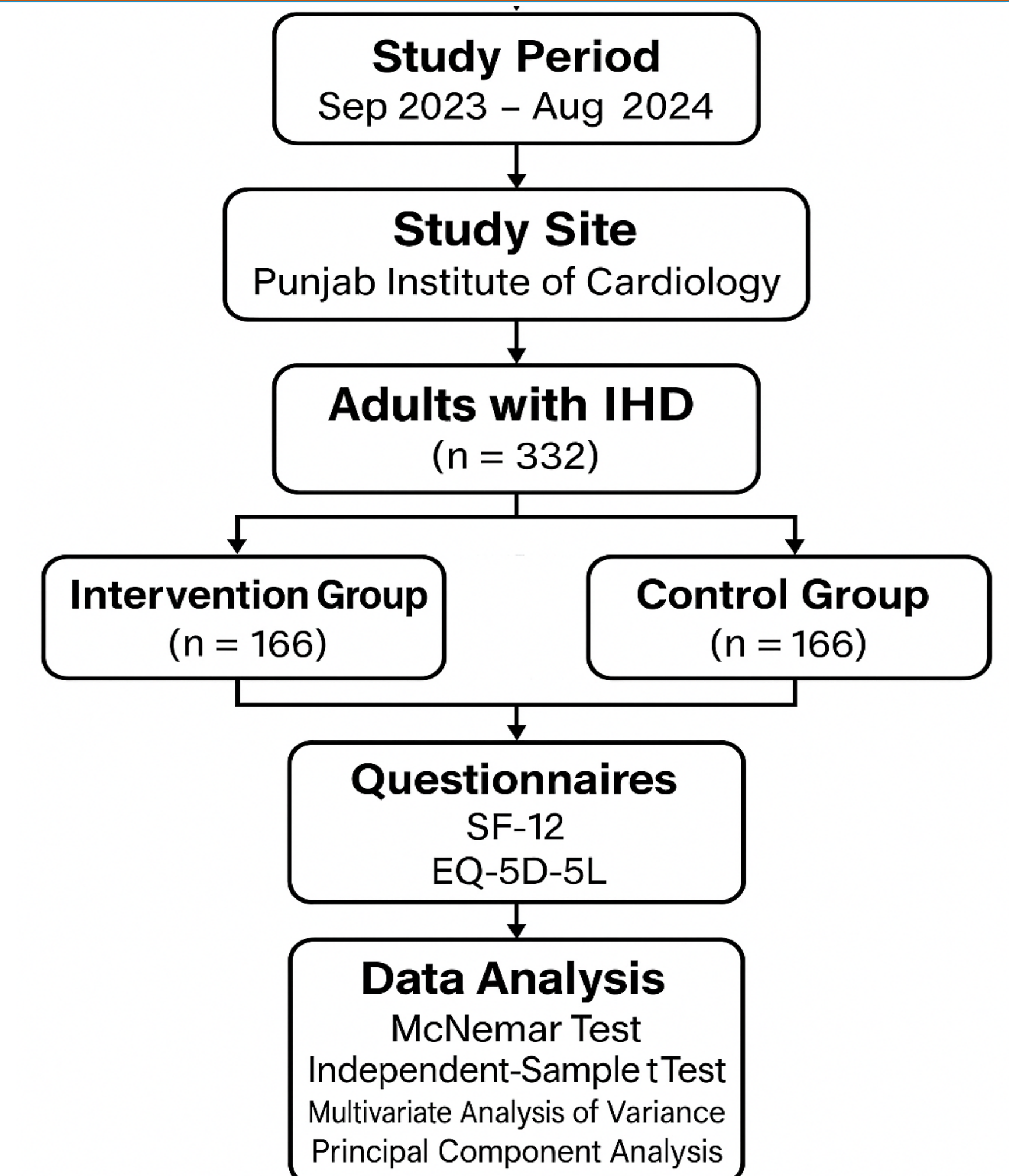
Ischemic heart disease (IHD) significantly impairs patients' health-related quality of life (HRQoL)¹. While conventional care addresses clinical symptoms, digital health interventions particularly those led by pharmacists offer a promising avenue to enhance patient-centered outcomes.

OBJECTIVE

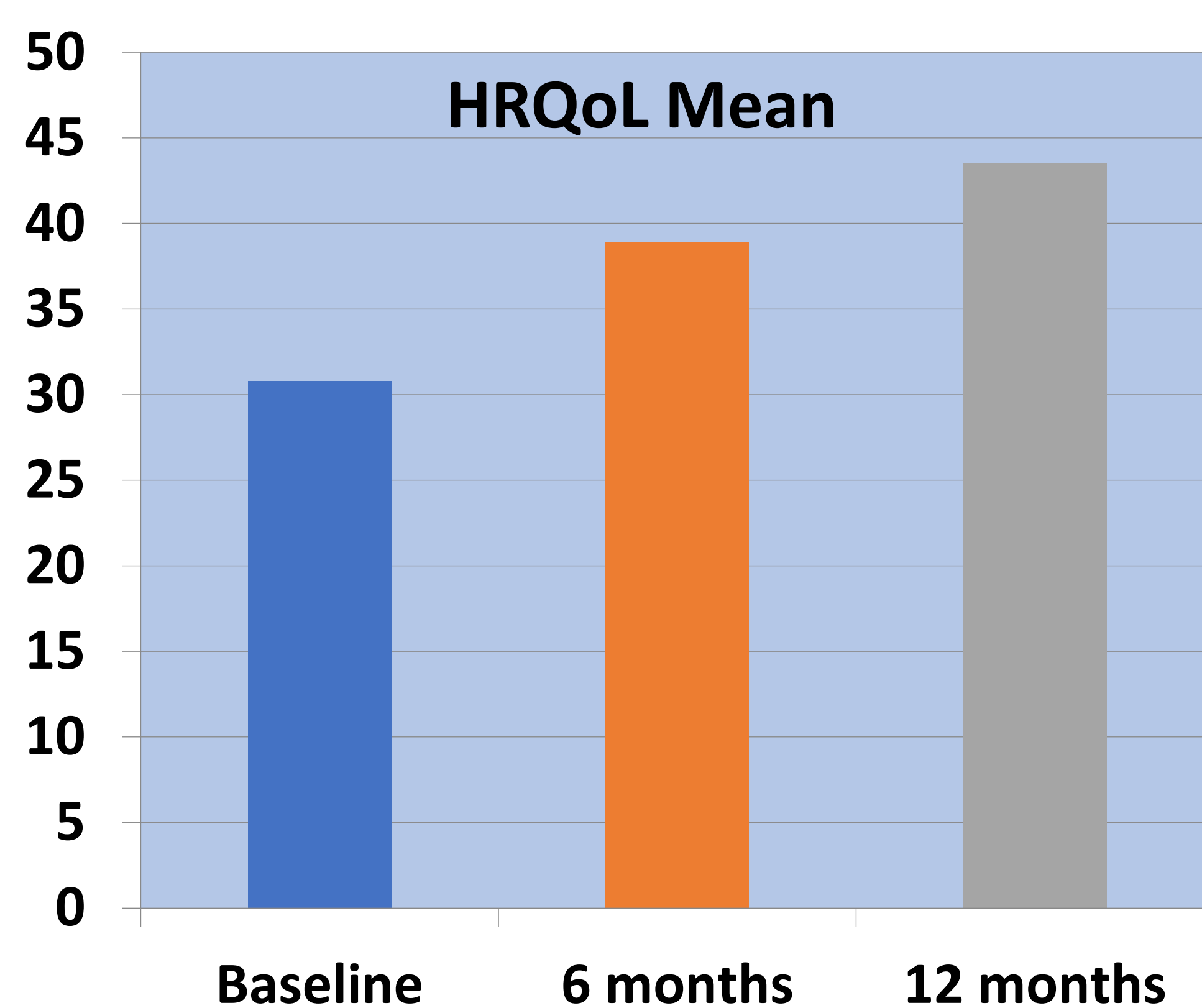
This randomized controlled trial evaluates the effectiveness of digital health pharmacist interventions (DHPIs) in improving HRQoL among patients with IHD, using the EQ-5D-5L instrument as a validated measure².



METHODS



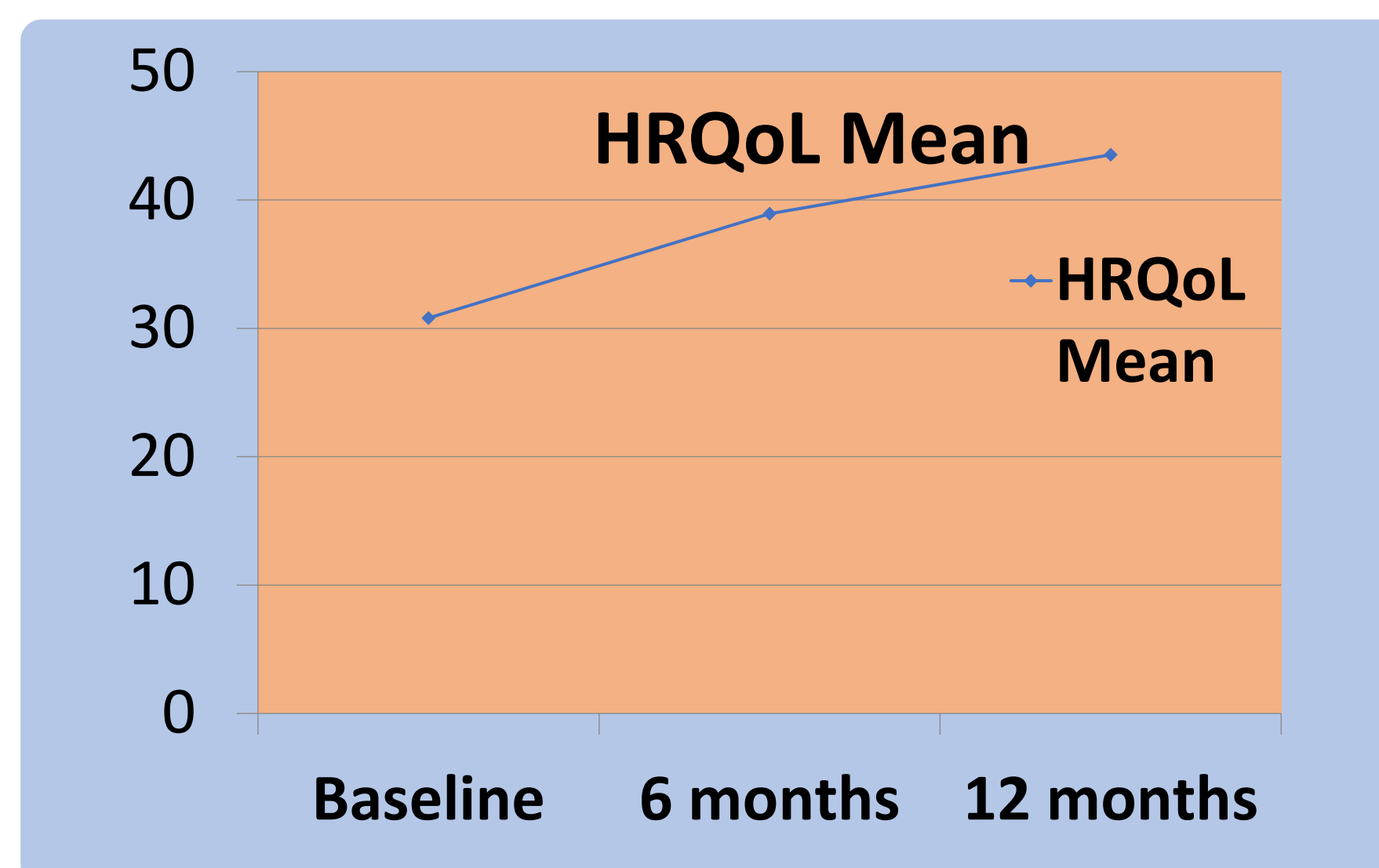
RESULTS



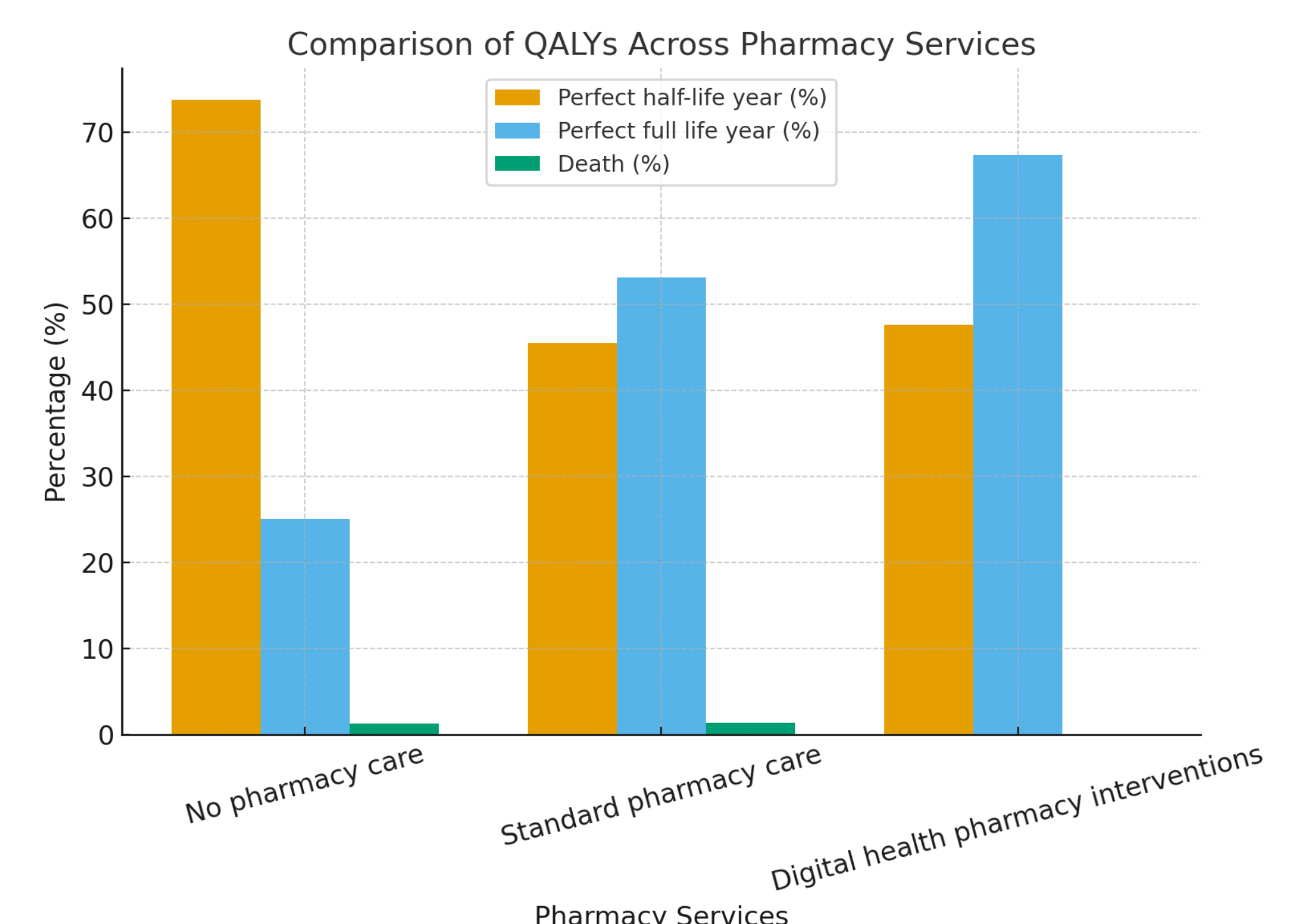
Comparison of mean EQ-5D-5L index scores between study groups over the one-year follow-up period

Table: Comparison of the impact of pharmacy services on QALYs among patients with IHD

Pharmacy services	QALYs Health Utility			Chi square P value*
	Perfect half-life years N(%)	Perfect full 1 life year N(%)	Death N(%)	
No pharmacy care	245 (73.79)	83 (25)	4 (1.2)	0.00*
Standard pharmacy care	132 (45.5)	154 (53.10)	4 (1.37)	
DHPIs	118 (47.58)	167 (67.33)	0	



Trends in mean health-related quality of life (HRQoL) scores across follow-up periods in the intervention and control groups



CONCLUSIONS

1 A statistically significant improvement in HRQoL scores.

2 The intervention group showed higher EQ-5D-5L index values and better outcomes across all dimensions.

3 These findings support the integration of pharmacist-led digital health strategies into routine cardiac care to enhance patient well-being and long-term recovery.

REFERENCES

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