

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

HSD101



Umm-e- Kalsoom¹, MPhil; Amjad Khan^{1,2}, PhD; Yu Fang², PhD

¹Department of Pharmacy, Quaid-i-Azam University, Islamabad, Pakistan

²Department of Pharmacy, The First Affiliated Hospital, Xi'an Jiaotong University, Xi'an, China

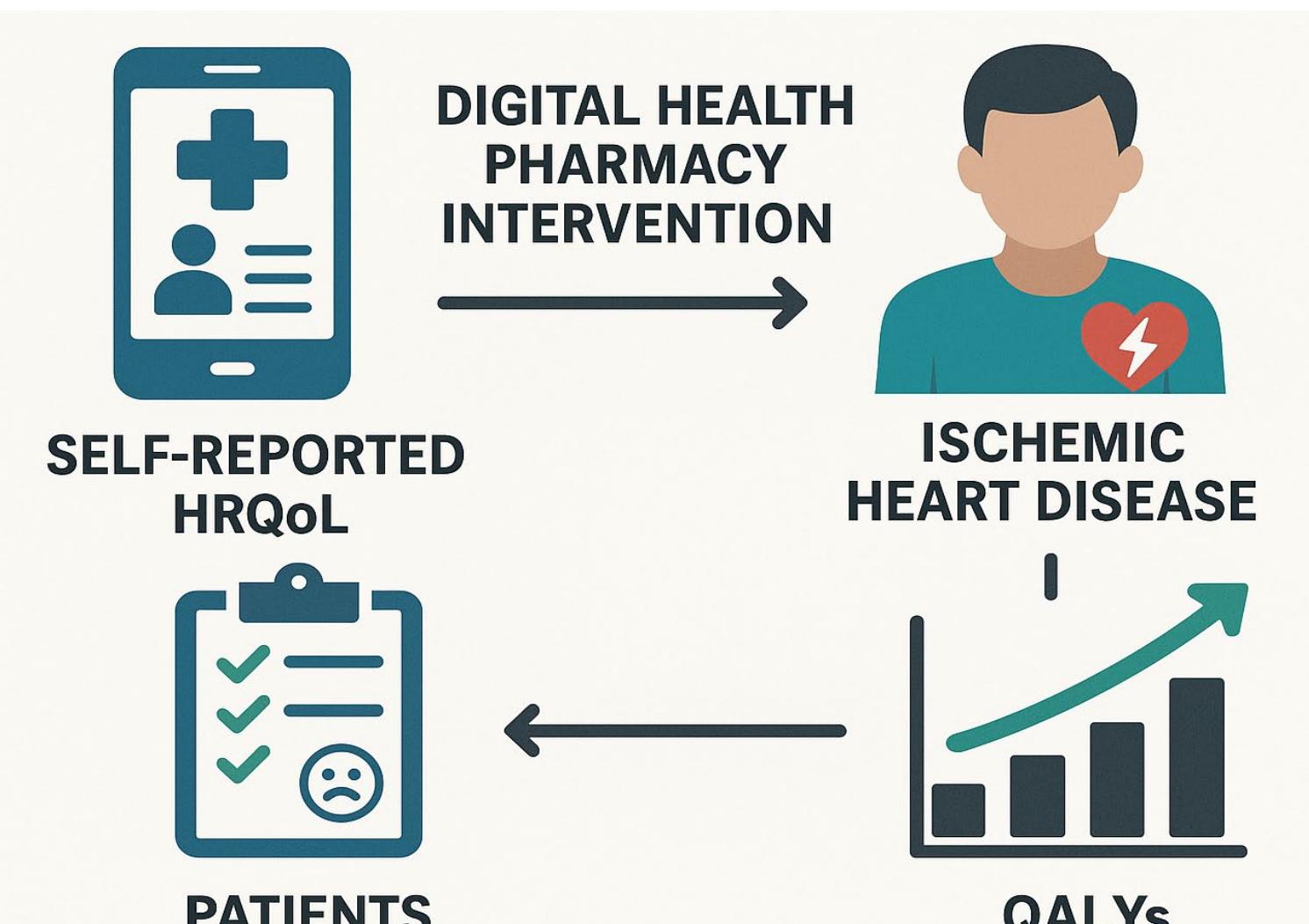


BACKGROUND

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**.

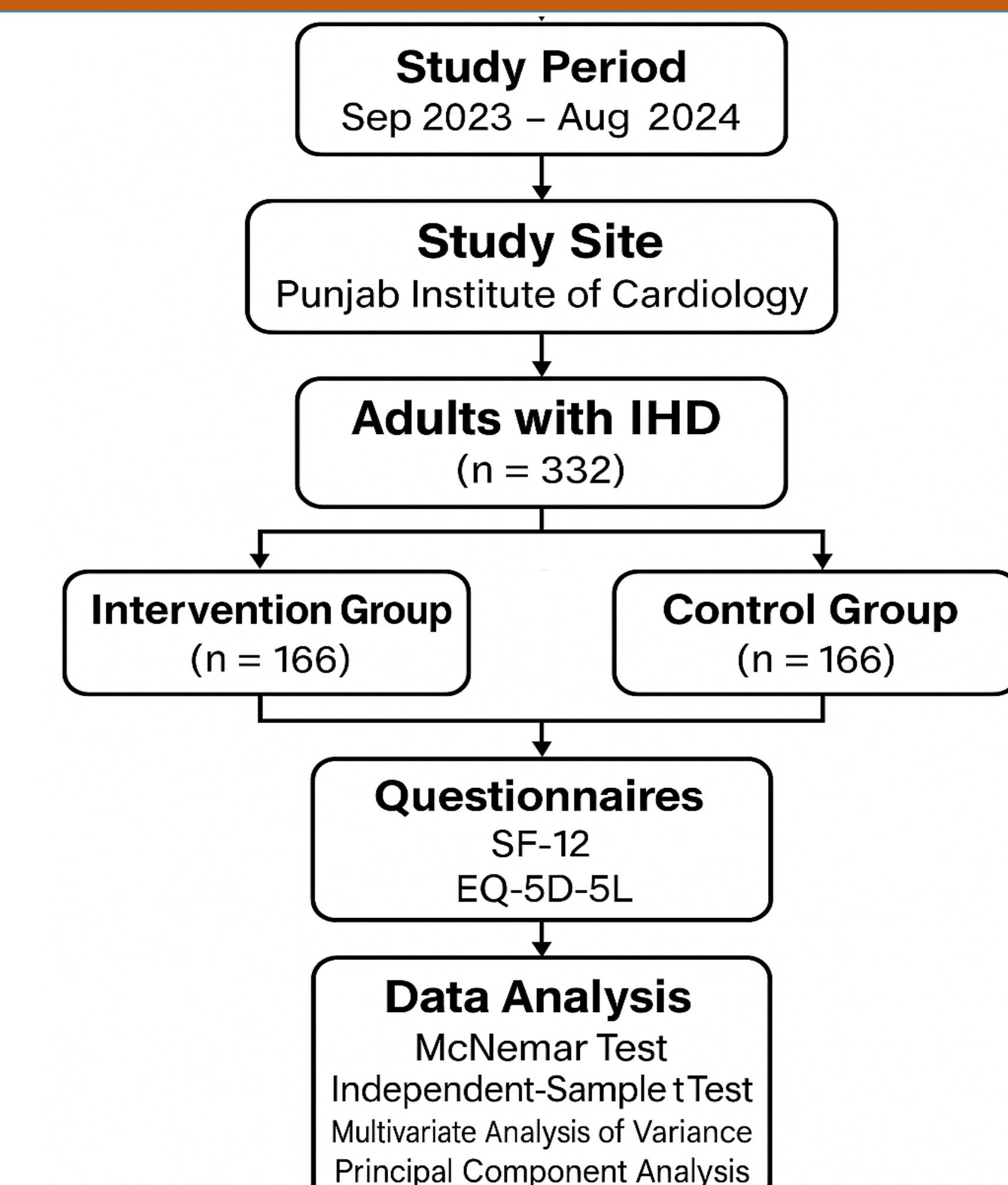
OBJECTIVE

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.



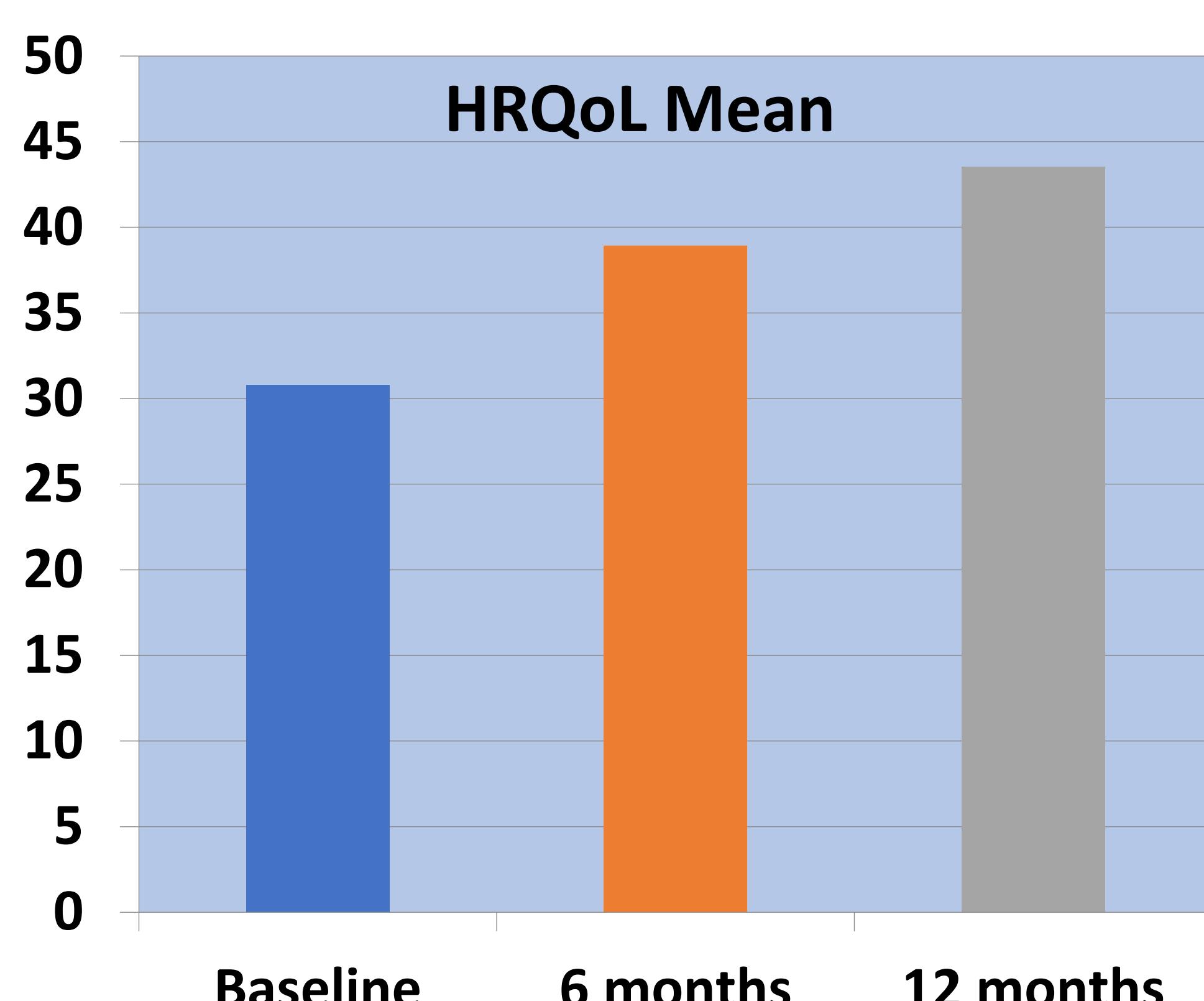
Conceptual framework illustrating the impact of digital health pharmacy interventions on HRQoL and QALYs in patients with IHD

METHODS



Schematic representation of the study methodology

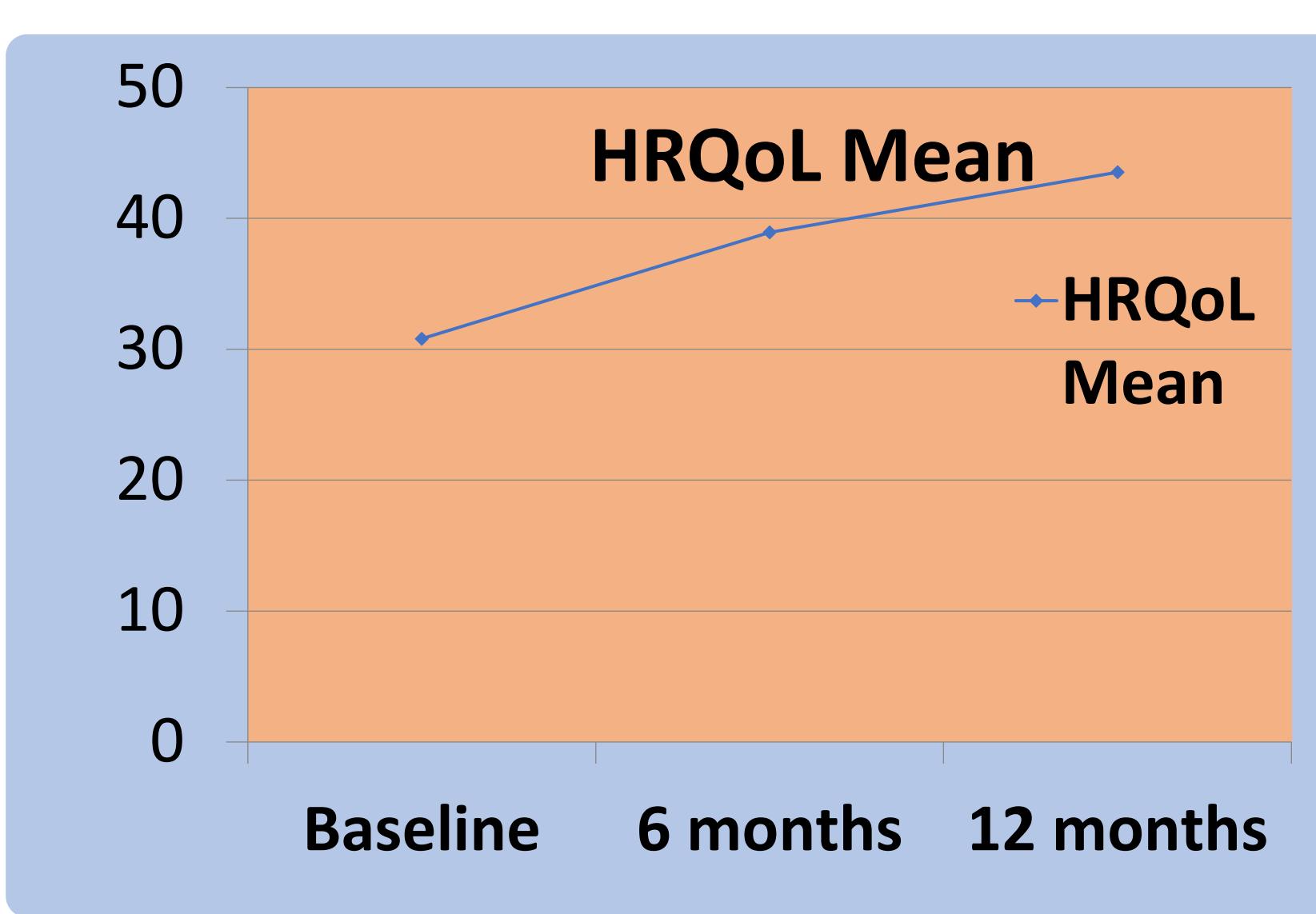
RESULTS



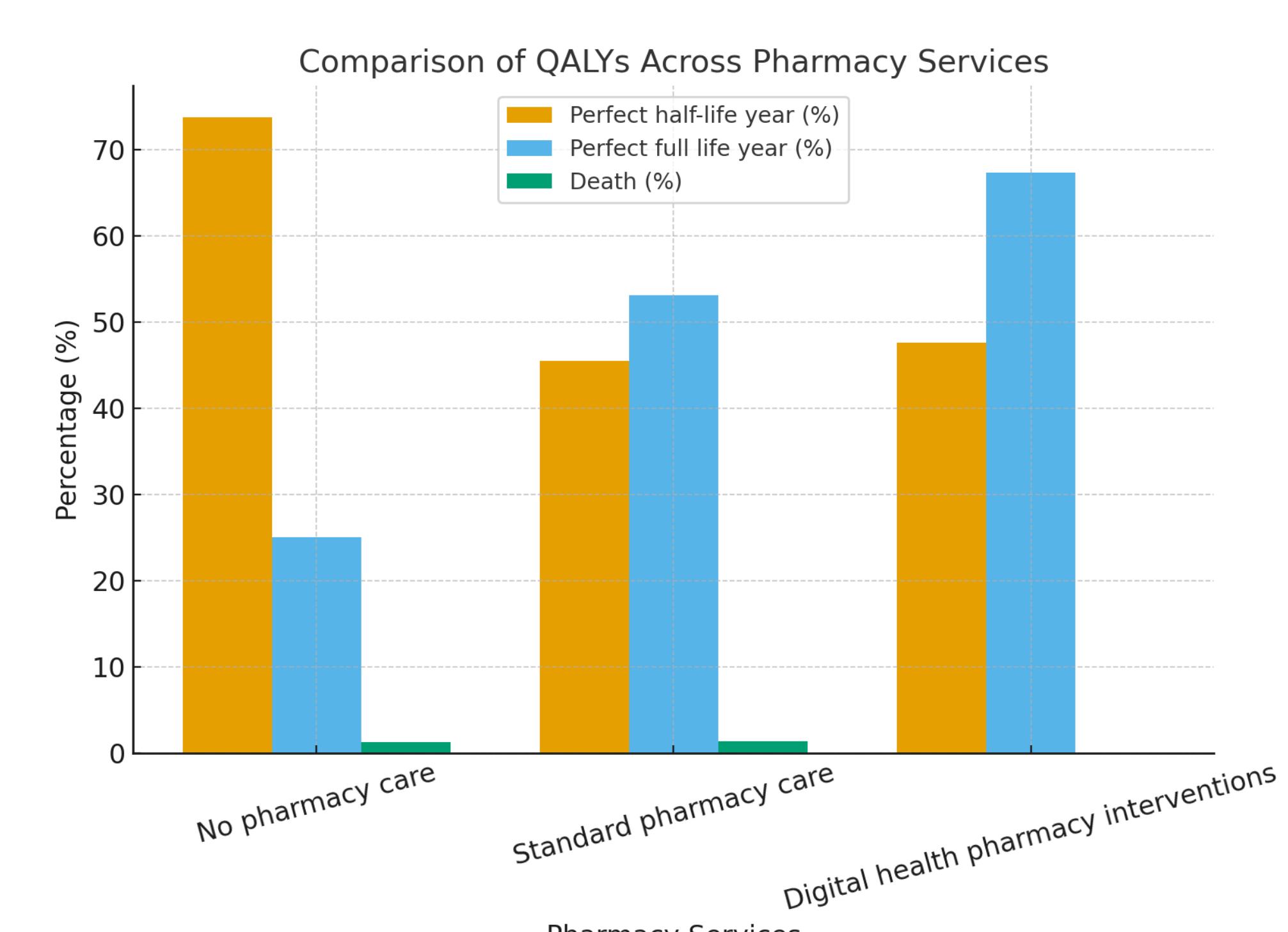
Comparison of mean EQ-5D-5L index scores between study groups over the one-year follow-up period

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

Pharmacy services	QALYs			Chi square
	Perfect half-life years N(%)	Perfect full 1 life year N(%)	Death N(%)	
No pharmacy care	245 (73.79)	83 (25)	4 (1.2)	
Standard pharmacy care	132 (45.5)	154 (53.10)	4 (1.37)	0.00*
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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CONTACT INFORMATION

Dr. Amjad Khan
Center for Drug Safety and Policy Research, XJTU, China
Email: amjadkhan@qau.edu.pk
ResearchGate: <https://www.researchgate.net/profile/ile/Amjad-Khan-12>

