



AJJ MEDTECH HOLDINGS LIMITED
(Company Registration No. 198403368H)
(Incorporated in the Republic of Singapore)

RESEARCH AND TECHNOLOGY PLATFORM DEVELOPMENT UPDATE RELATING TO AI-ENABLED ELDERCARE ROBOTICS AND THE RR-CARE™ FRAMEWORK

AJJ Medtech Holdings Ltd. (the “**Company**”, and together with its subsidiaries, the “**Group**”) wishes to announce that the Group’s Research Department has prepared a public research version of a frontier systems technical paper entitled:

“RR-Care™ FTE 2.3: A First-Definition-Type Care-Capacity Release Framework for Multi-Functional Embodied AI Humanoid Eldercare Robotics”

The document is intended to be made available as a company-led DOI-registered frontier systems technical paper for public research reference.

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The technical paper was prepared with contributions from authors associated with the Group’s healthcare technology platform development initiatives and external technology collaboration context. The first author, Mr Zhao Wentao, is currently a student at the National University of Singapore and is involved in research-related and industry practice activities associated with the Group’s healthcare technology platform initiatives. Such involvement forms part of the Group’s talent development programme and reflects the Group’s continuing efforts in talent development, industry-academic collaboration and healthcare technology capability building under its ESG framework.

1. Background

The present technical paper forms part of the Group’s continuing healthcare technology platform development initiatives and follows the strategic direction previously outlined in the Group’s “Vision and Execution Plan” dated 6 February 2026 and related strategic roadmap announcements relating to embodied intelligent eldercare robotics, institutional healthcare workflow optimisation and healthcare infrastructure development. As previously disclosed by the Group, the HIT-1 platform was developed as part of a multifunctional embodied intelligent eldercare robotics initiative intended to support institutional care environments through operational workflow enhancement, AI-enabled healthcare functions and measurable caregiving workload optimisation under selected deployment scenarios and operational assumptions.

Institutional eldercare environments face increasing operational pressure arising from population ageing, caregiver workload, routine task burden and the need for more structured workflow-support technologies. In this context, the RR-Care™ framework is designed as a nursing-management and institutional decision-support framework for interpreting robot-supported routine task activity through Full-Time Equivalent (“FTE”)-based care-capacity release indicators.

2. Overview of the RR-Care™ Framework

The RR-Care™ framework does not treat humanoid eldercare robots as direct caregiver replacements. Instead, it positions robot-supported routine care activity as a potential source of human-supervised workload release, subject to local workflow design, staff supervision, institutional readiness, data quality, environmental conditions and implementation controls.

The framework described in the technical paper includes, among others, robot-supported routine care task mapping, caregiver-only versus robot-supported workflow comparison, demand-constrained FTE-based workload-release calculation logic, care-capacity reallocation interpretation, workforce adaptation considerations, anonymised data governance and responsible human-supervised deployment boundaries.

The Board notes that the technical paper presents RR-Care™ as a first-definition-type and early framework-setting approach for evaluating robot-supported routine workload release in institutional eldercare environments. This positioning is intended to describe the Group’s framework contribution and research direction only. It does not imply absolute global uniqueness, independent academic validation, regulatory approval, clinical efficacy or universal deployment readiness.

Based on searches across publicly available academic and web-based sources conducted by the Group, no prior independently peer-reviewed publication has been identified that defines or operationalises the “RR-Care™ framework” in the same manner as presented in this technical paper. Based on the Group’s systematic public-source searches and governance-oriented analytical assessment conducted to date, the RR-Care™ framework may represent among the earliest identified system-level analytical and governance-oriented frameworks exhibiting certain first-definition-type and world-first-type characteristics within the emerging field of AI-enabled institutional eldercare robotics.

3. Field-Supported Application and Evidence Boundary

The technical paper applies the RR-Care™ framework to a field-supported institutional eldercare pilot dataset at a summary level. The public research version describes the framework architecture, principal care-task domains and management interpretation pathway, while retaining detailed source-record files, supplementary worksheets and site-level evidence for internal evidence control and possible future peer-reviewed journal submission.

The technical paper discusses robot-supported workload-release areas including activities of daily living and delivery-related support, mobility-related assistance where locally measurable, monitoring and reminder functions, companionship-related interaction support and routine task scheduling.

The public research version intentionally reports the framework logic and field-supported observations at a summary level. It does not publish the complete S1–S7 supplementary evidence package, full calculation worksheets, site-level raw evidence, detailed source-record traceability files or reviewer-facing methodological appendices. Where appropriate, supporting evidence may be made available to journal editors or qualified reviewers under suitable confidentiality, data-protection and institutional anonymity arrangements.

4. Strategic Relevance to the Group

The Board is of the view that the RR-Care™ framework and related research activities are aligned with the Group’s broader healthcare technology platform development strategy in AI-enabled eldercare systems, embodied AI humanoid eldercare robotics, institutional healthcare workflow optimisation, responsible AI governance and operational auditability. The Group intends to continue evaluating the operational, regulatory and commercial feasibility of the RR-Care™ framework and related healthcare technology platform initiatives under applicable healthcare governance, operational and compliance standards.

5. Important Cautionary Statement

The Board emphasises that the technical paper is a company-led public research version and has not undergone independent peer review. It should not be interpreted as a peer-reviewed journal article, regulatory approval, clinical validation, government or institutional endorsement, investment recommendation, sales forecast, staffing-reduction authorisation or evidence of universal deployment readiness.

The technical paper and related framework remain preliminary, context-specific and evidence-bounded. No assurance can be given that the pilot observations, workload-release indicators or framework interpretations will be replicated across all institutional deployment environments. This announcement does not constitute or imply any assurance regarding commercial deployment, institutional adoption, market size, regulatory approval, future contracts, future revenue, profitability or financial performance of the Group.

Shareholders and investors are advised to exercise caution when dealing in the securities of the Company. Persons who are in doubt should consult their professional advisers.

BY ORDER OF THE BOARD

Dr Tan Wei Jie

Chief Executive Officer and Executive Director

Date: 25 June 2026

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