From Front Door to Home: The EDIFY – TTSH@Home Pathway for Acute Admission Avoidance (AAA) in Older Adults

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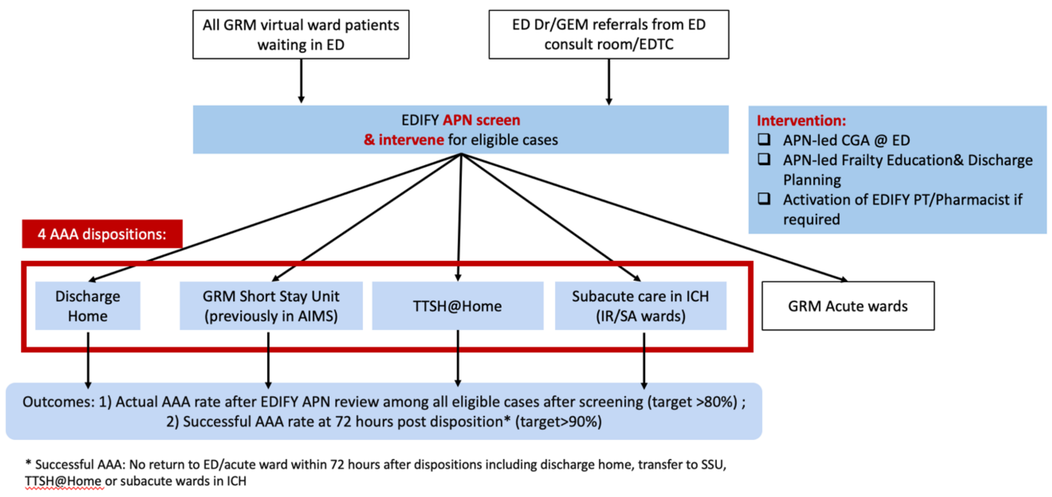
Aim / Objectives

To evaluate feasibility and safety of the EDIFY – TTSH@Home /Mobile Inpatient Care (MIC) pathway for acute admission avoidance (AAA) in older adults aged ≥85 years waiting for acute admission in the ED virtual ward (EDVW), focusing on enrolment, average length of stay (ALOS), and return-to-hospital (RTH) outcomes.

Background

Older adults presenting to the Emergency Department (ED) are at high risk of hospitalisation, deconditioning, delirium, and functional decline. EDIFY, a mobile front-door geriatric service, performs rapid Comprehensive Geriatric Assessment CGA) to identify suitable patients for acute admission avoidance (AAA). Since April 2024, EDIFY has collaborated with the mainstreamed TTSH@Home service to improve hospital-at-home utilisation in a very old and frail population.

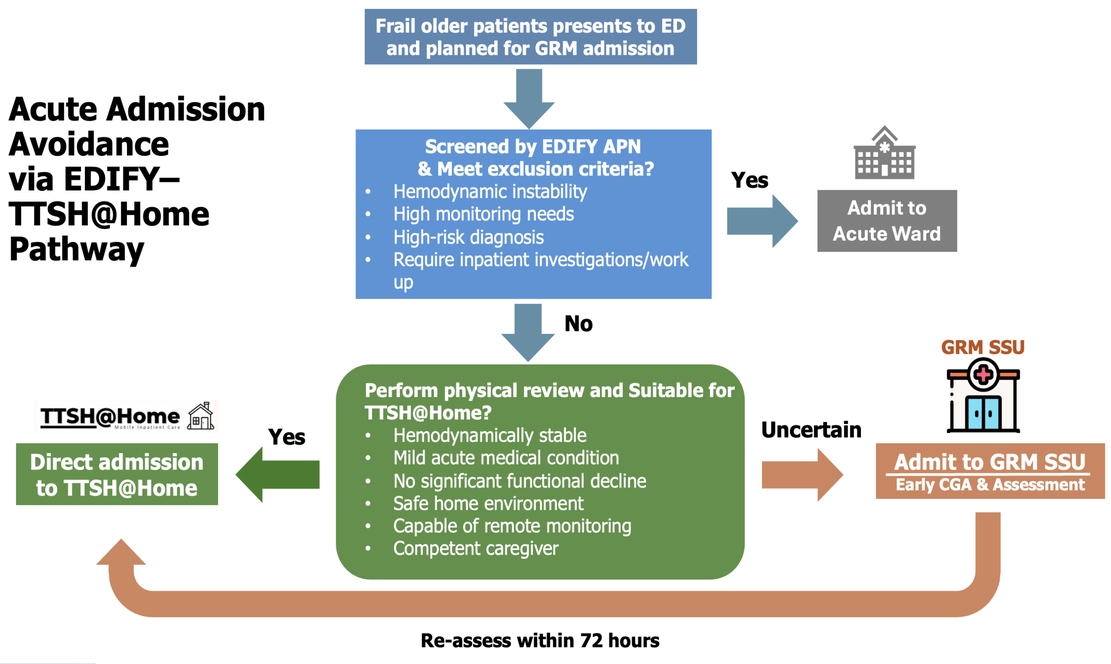
EDIFY Acute Admission Avoidance (AAA) Patient Journey



* Successful AAA: No return to ED/acute ward within 72 hours after dispositions including discharge home, transfer to SSU, TTSH@Home or subacute wards in ICH

Interventions / Implementation

Patients aged 85 years and above in the EDVW were screened by an EDIFY Advanced Practice Nurse (APN). Suitable patients were directly admitted to TTSH@Home. Patients requiring further inpatient work-up were admitted to a 6-bed Geriatric Short Stay Unit (SSU) for rapid diagnostic and functional assessment with the aim to transfer to TTSH@Home within 72 hours when appropriate.



Results & Outcomes/ Discussion

93 patients were referred by EDIFY (April–September 2025):

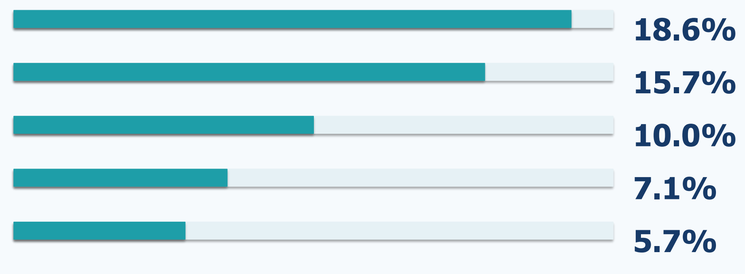
Patients were very old and frail (mean age 90.1 years, 64.3% female, median CFS 6)

- ❑ Higher enrolment rate (75.3% vs. 55.1%) and lower RTH rate (7.1% vs. 10.5%) compared to standard geriatric ED referrals
- ❑ Shorter ALOS (4.8 vs 7.7 days) compared to usual care

36 patients were transferred from Geriatric SSU to TTSH@Home (October–November 2025):

- ❑ Shorter MIC ALOS (5.1 vs. 7.0 days) compared to geriatric general ward referrals
- ❑ Only 2 RTH events (5.6%)

Top 5 diagnoses among EDIFY-enrolled patients (N=70)



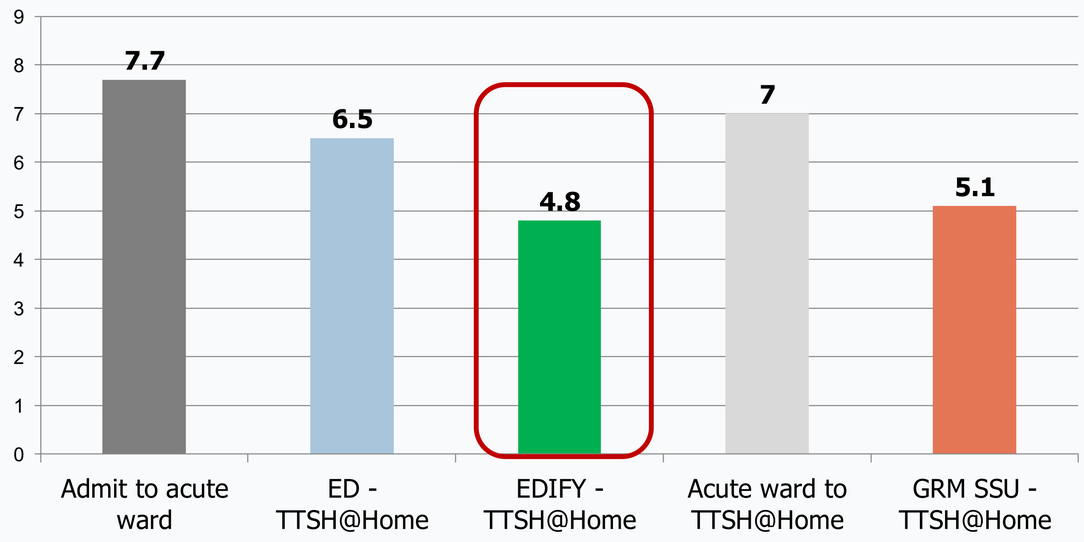
75.3% enrolled (70/93)

- 2.9 days in ALOS Compared to usual care

7.1% RTH rate (5/70)

ED – TTSH@Home: Enrolment 55.1% (38/69); ALOS 6.5 days; RTH 10.5%

Average Length of Stay (ALOS, days) in TTSH@Home by Referral Source



EDIFY – TTSH@Home enrolled cohort (Apr–Sep 2025): 70 cases
GRM SSU – TTSH@Home enrolled cohort (Oct – Nov 2025): 36 cases

Conclusion

The EDIFY–TTSH@Home pathway is a feasible and safe model for geriatric acute admission avoidance, enabling timely transition home with low return-to-hospital rates and reduced length of stay compared with conventional hospital pathways.