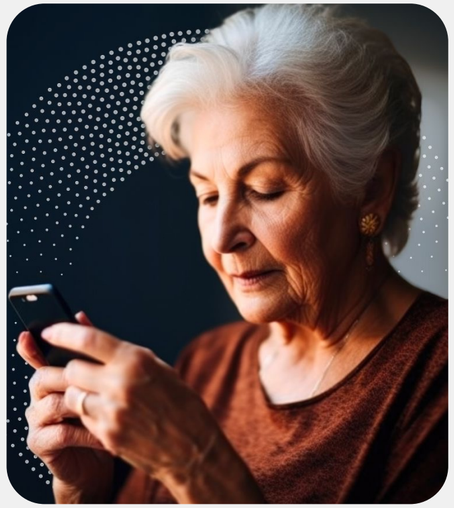
MedicalBrain

The Medical Brain

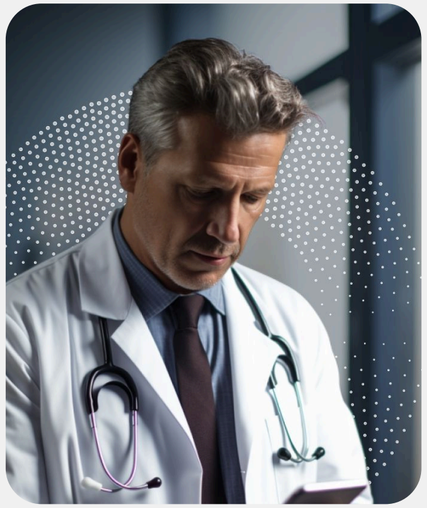
AI Clinical Assistant for Nephrology

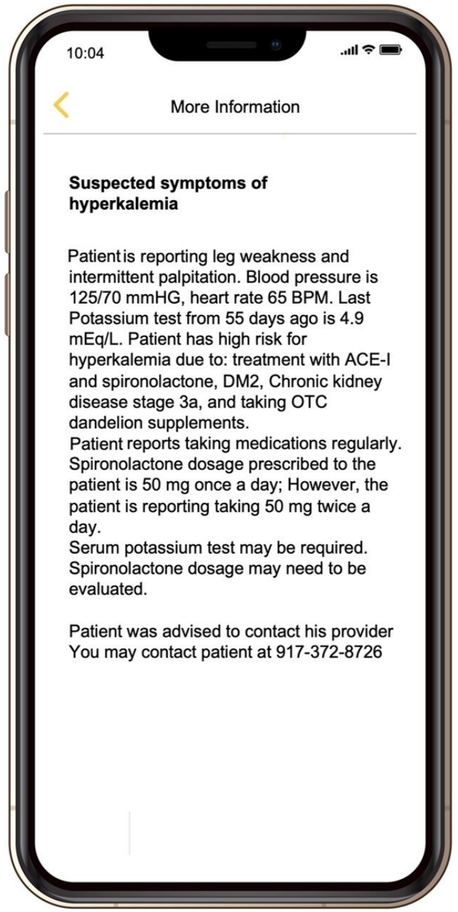
healthPrecision, Inc

Medical Brain Clinical Digital Assistant: 24/7 Monitoring and Real-Time Care Orchestration for Providers and their Patients



98% Accuracy





- **Trusted by providers** to manage their patients on their behalf
- Seamless integration to EHR and provider workflow. Real-time, **24/7 patient monitoring** – EHR, patient inputs, and RPM
- **Identifies health risks in real-time, guides patients** to take corrective with high-precision clinical decision support.
- Notifies provider only when needed, relieving them of **92% of patient follow-up and communication activities**

The Medical Brain: Enables Success for Nephrology Practices in Both VBC and FFS

By 2030:

100% of Medicare lives will be enrolled in Value-Based Care

There's a rapid shift to VBC, yet most providers **lack the technology** to succeed with risk-bearing contracts

The Medical Brain is catalyzing better outcomes today for both patients and providers that align with the goals of VBC

Value Based Care Focus	Medical Brain for VBC with RPM
Cost Reduction / Shared Savings	Disease control, reduced ER and Hospital Days = Revenue / Bonuses Reduced Costs for Care Mgmt., Call Volume RPM Capabilities and Revenue
Equity and Site Appropriate Care Emphasis - Home	24/7 Care Anywhere / At Home Across Populations
Comprehensive / Whole Person Care**	Complete Patient Picture, Early Risk Identification & Patient Centric Guidance

OUTCOMES

Medical Brain Systematically Drives ROI

CLINICAL IMPACT
80% Diabetes Control with hard to control patients
64% improvement in care plan and medication adherence
42% reduction in hospital admissions for Heart Failure patients
35% improvement in HEDIS care gap closure
PROVIDER EFFICIENCY
Care management – 20 FTEs for a health system ($3M savings)
92% reduction in provider time and staff time
2-5% additional patient volume per provider
RPM revenue with Medical Brain’s complete program

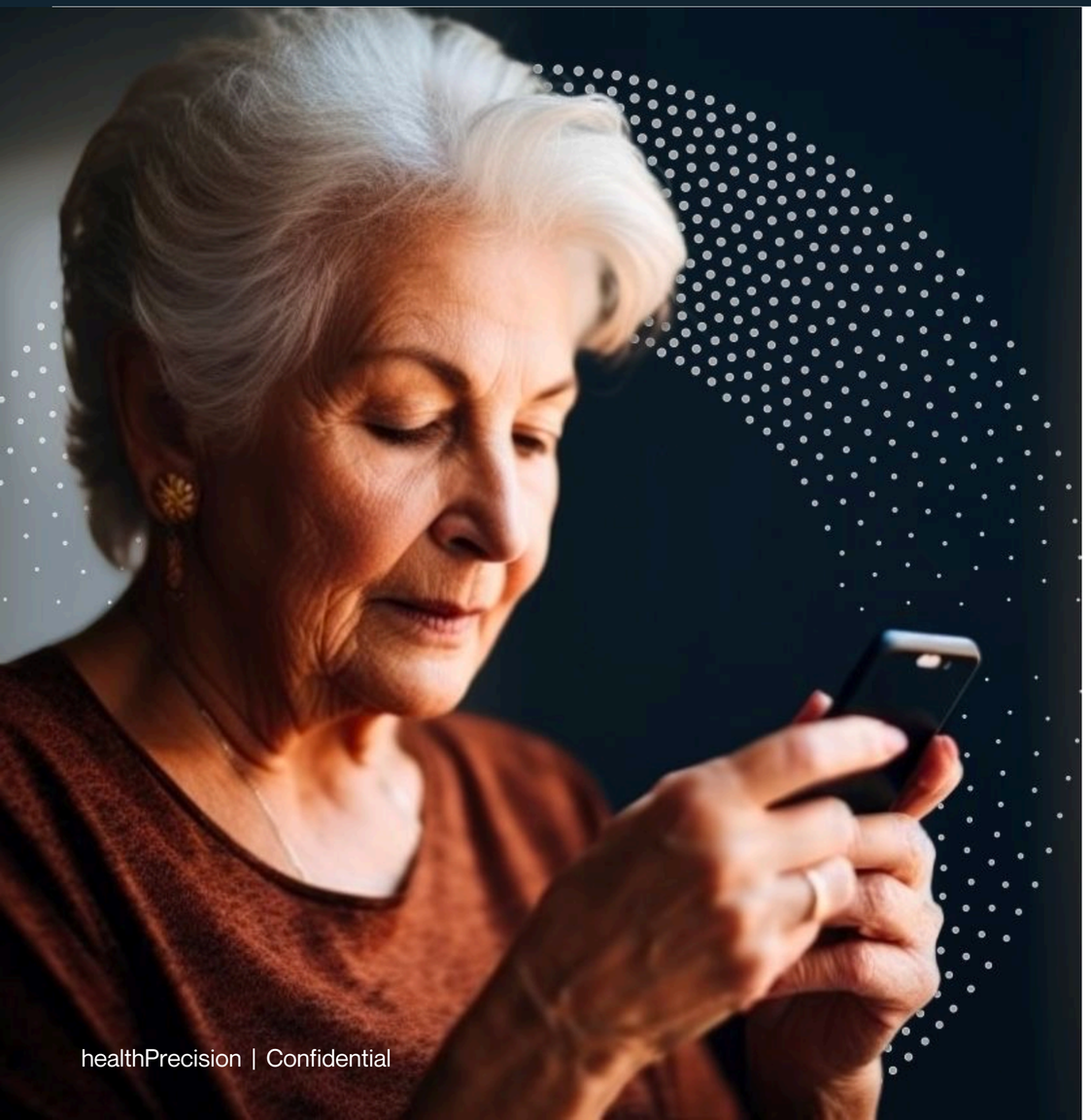
"We're using the Medical Brain to help us manage our complex patients. With the Medical Brain our patients receive 24/7 monitoring and real-time guidance when health risks are detected. As providers, we receive high-precision notifications when intervention is required with the exact information we need to take action. As a result, our patients are able to achieve better disease control at home.

Our practice benefits by having the Medical Brain coordinate communications, follow-ups, and patient concerns. Our call volume has significantly declined and with this greater level of efficiency, the Medical Brain is freeing us up for other priorities.”

Jeffrey Feldman, MD
Nephrologist
Atlantic Health System

CASE STUDY

Example Case – Nephrology Practice



Arlene

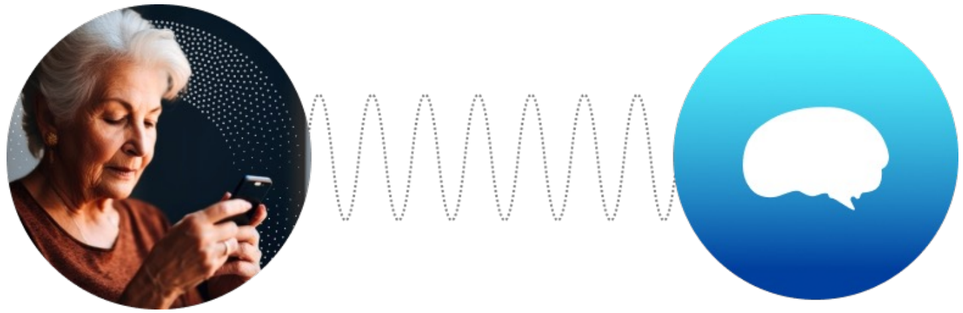
- 61 y/o female
- Heart Failure, Diabetes, CKD stage IV, Chronic Hyperkalemia, Anemia, CAD
- Discharged from the hospital after admission for dizziness, acute kidney injury on top of her CKD, Dehydration
- Plan of Care: Carvadolol increased, Torsamide and Entresto discontinued; follow-up with Nephrologist post-discharge

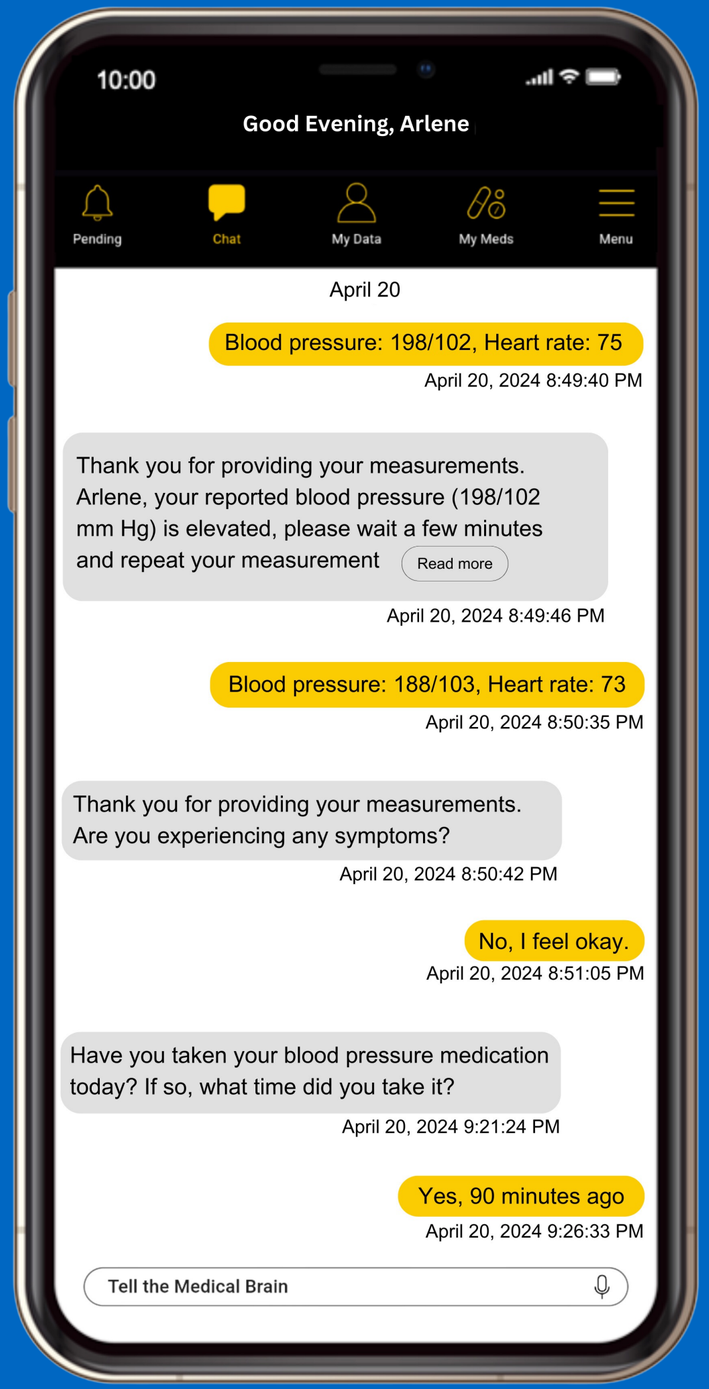
CASE STUDY

3 Days After Discharge

Patient has been monitored daily since discharge.

On Day 3, Medical Brain asks her to report her BP and identifies Hypertensive Urgency with 2 episodes of elevated BP.

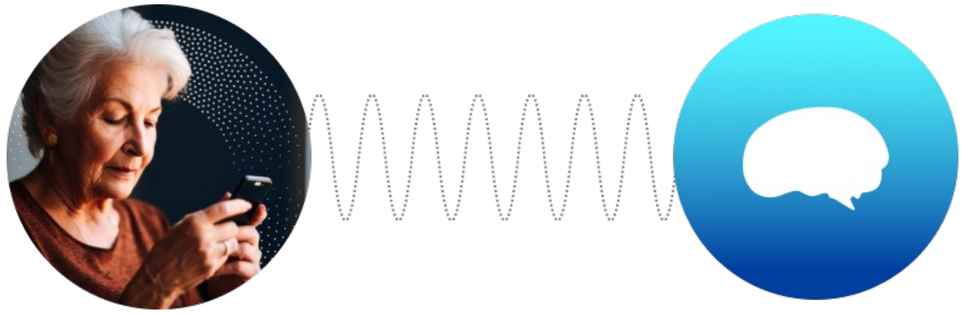


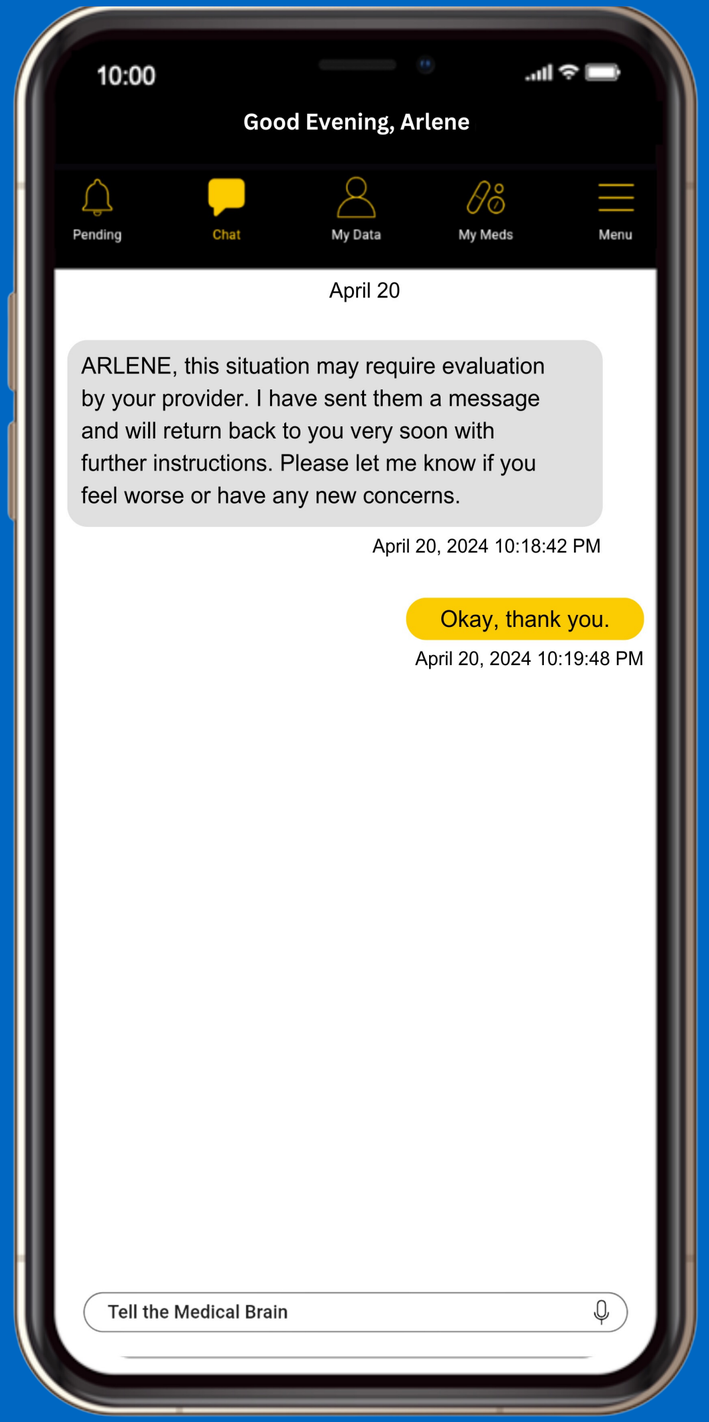


CASE STUDY

Three Days After Discharge (cont.)

Medical Brain continues monitoring and follows up, BP continues in urgency range, Provider evaluation indicated.



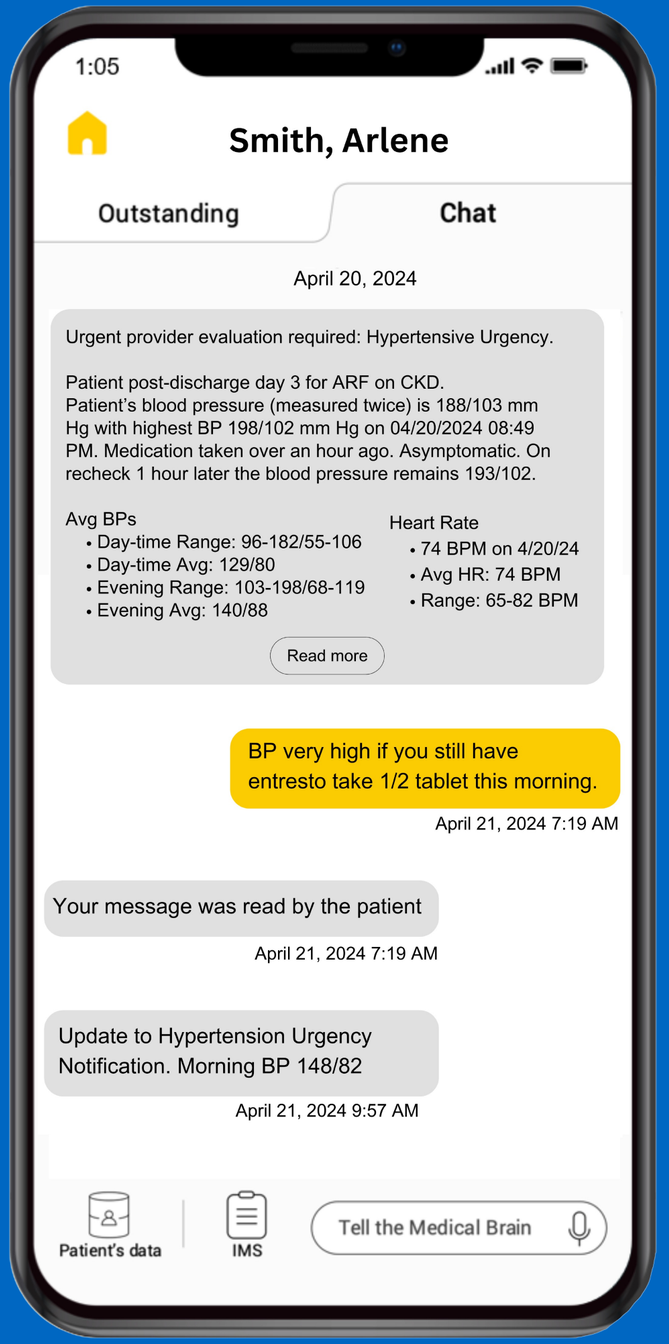


CASE STUDY

Three Days After Discharge (cont.)

Medical Brain notifies Provider with complete patient profile and current status.

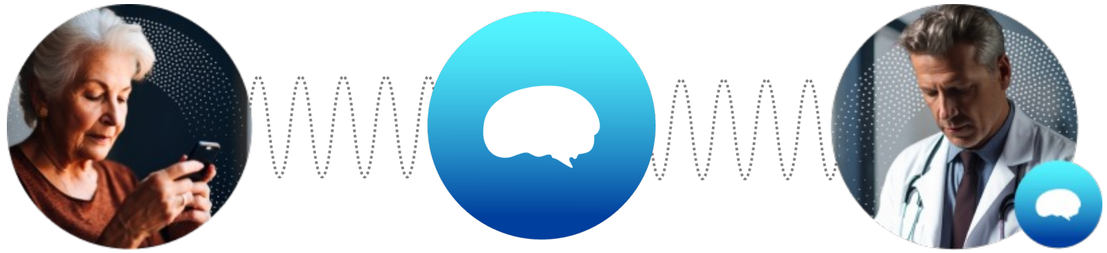
Provider instructs patient to adjust medications.

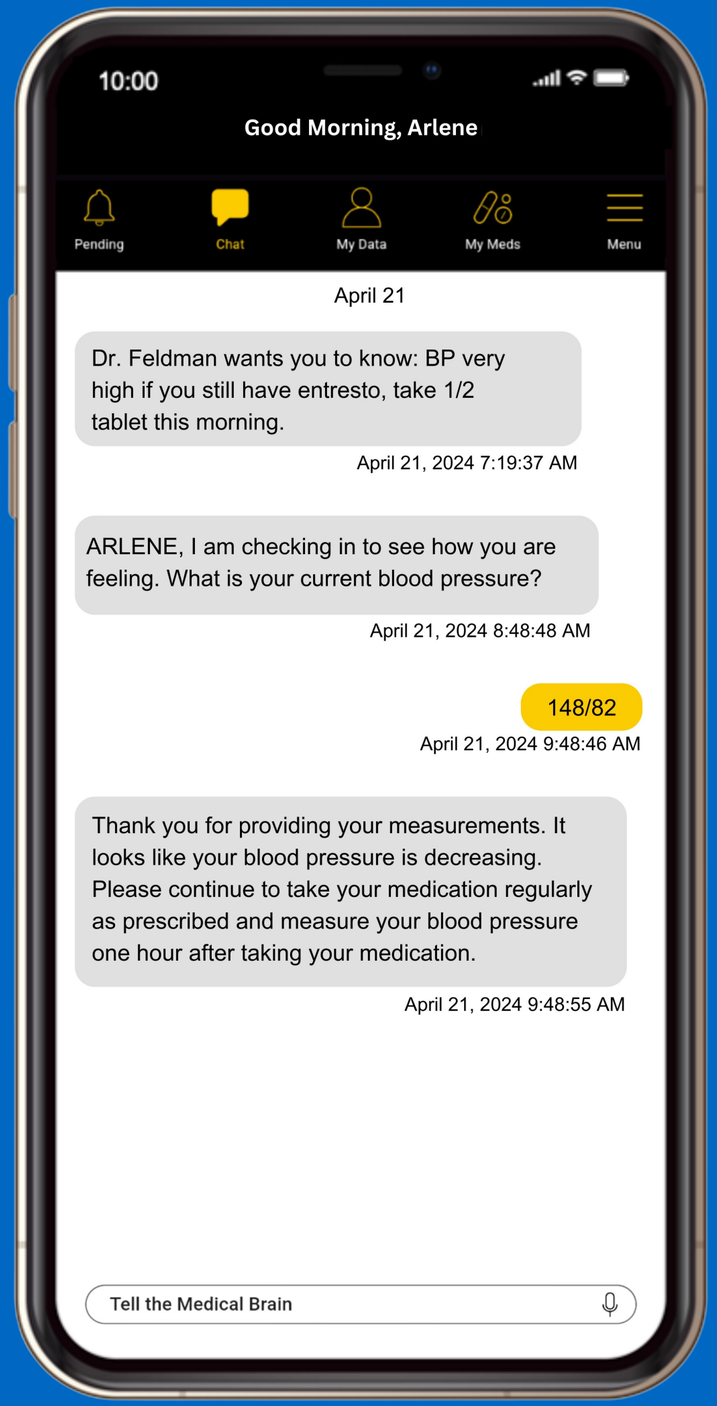


CASE STUDY

Three Days After Discharge (cont.)

Medical Brain interacts with patient, communicating instructions to adjust medication. Medical Brain follows-up 2-hours later, patient reports a controlled BP.

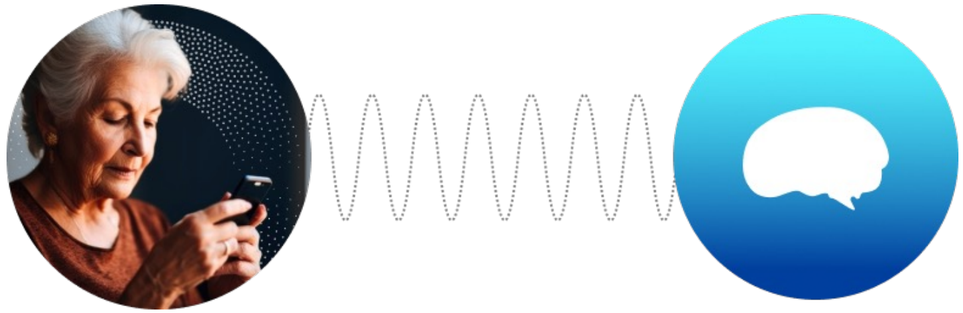


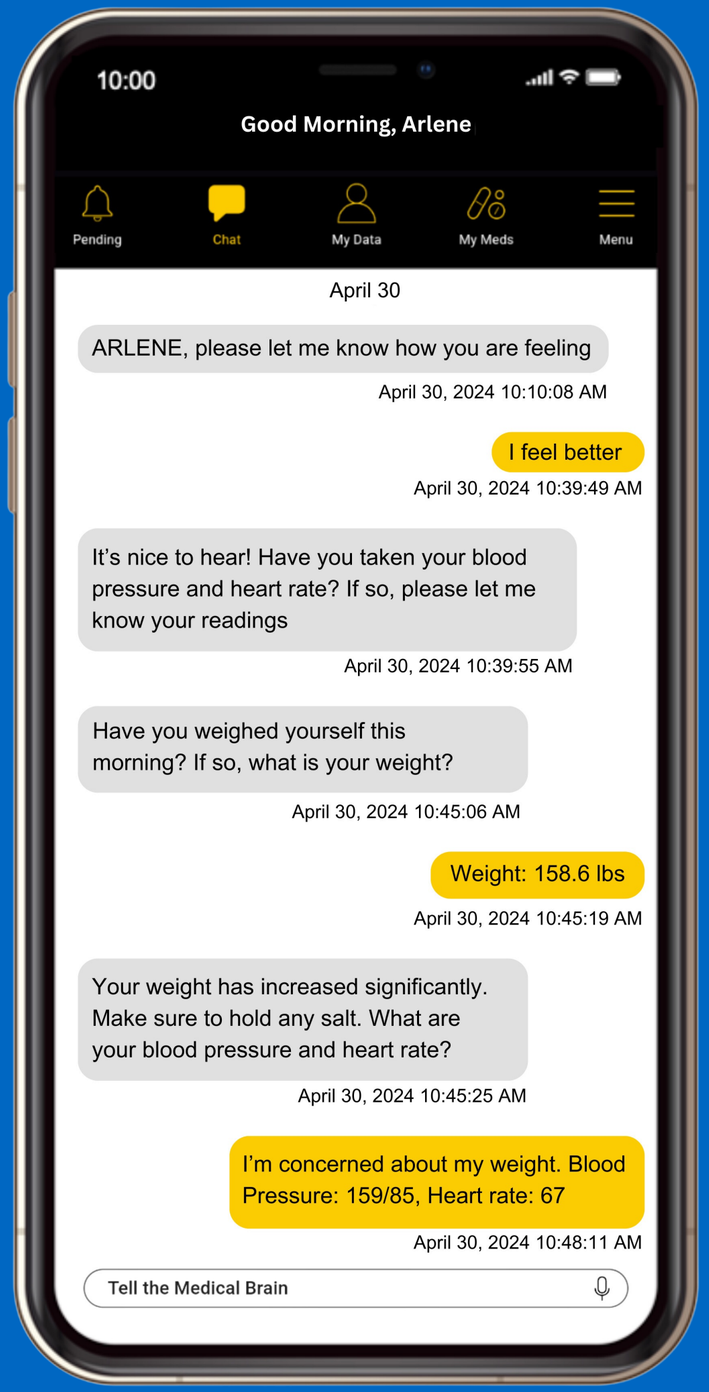


CASE STUDY

Twelve Days After Discharge

Medical Brain continues to monitor patient; identifies weight gain and pulmonary congestion.

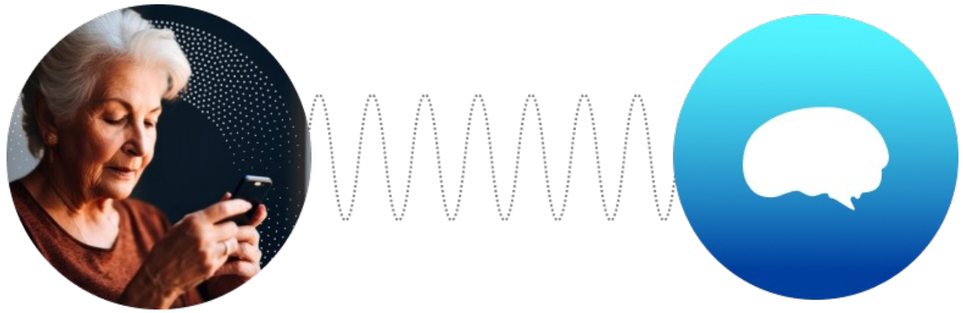


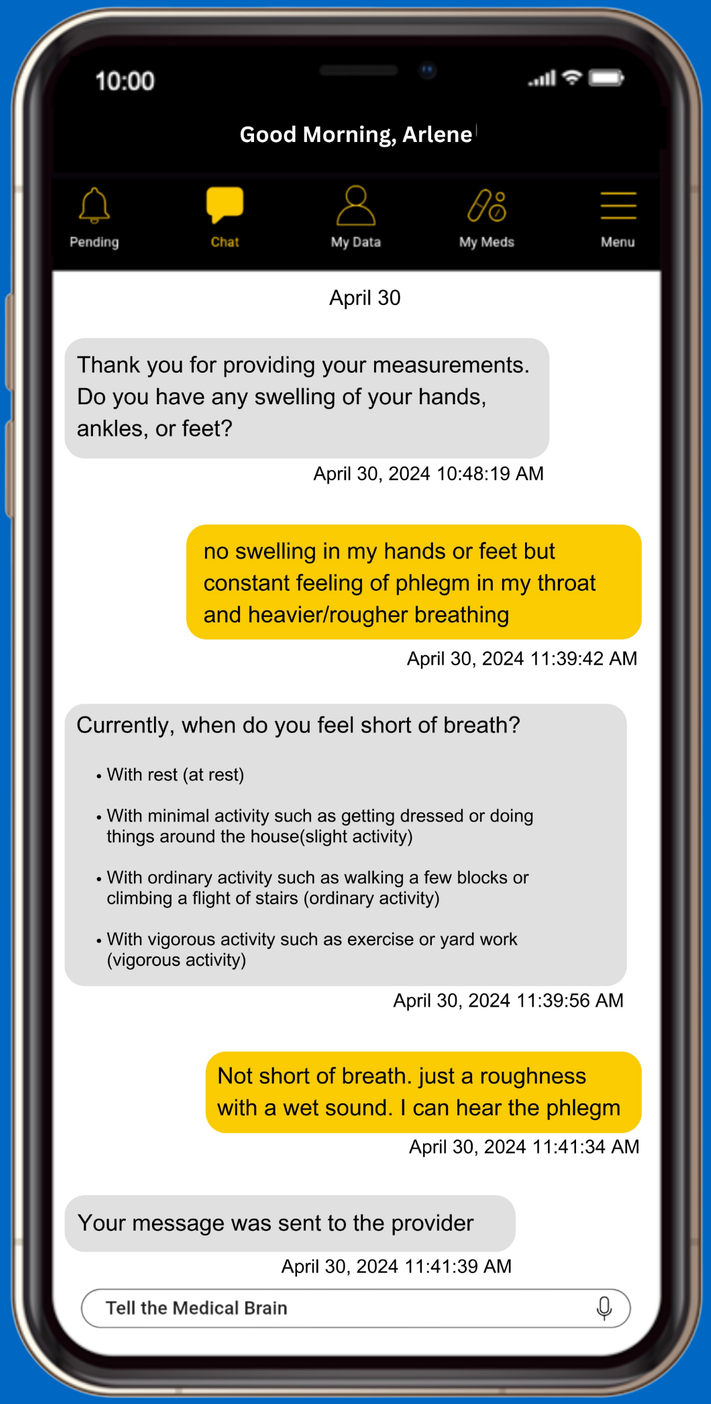


CASE STUDY

Twelve Days After Discharge

Medical Brain interacts with patient to understand her symptoms of pulmonary congestion in detail. Provider notified.

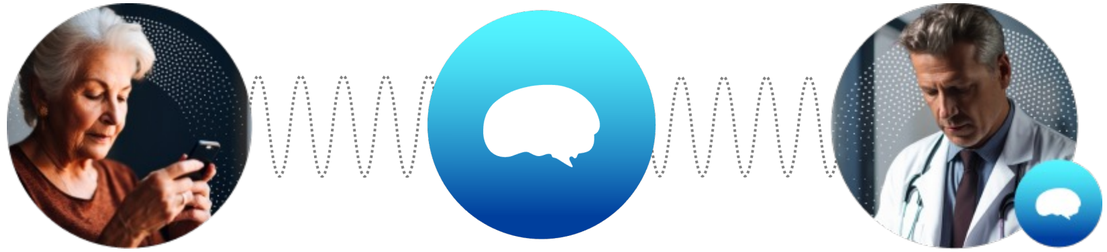


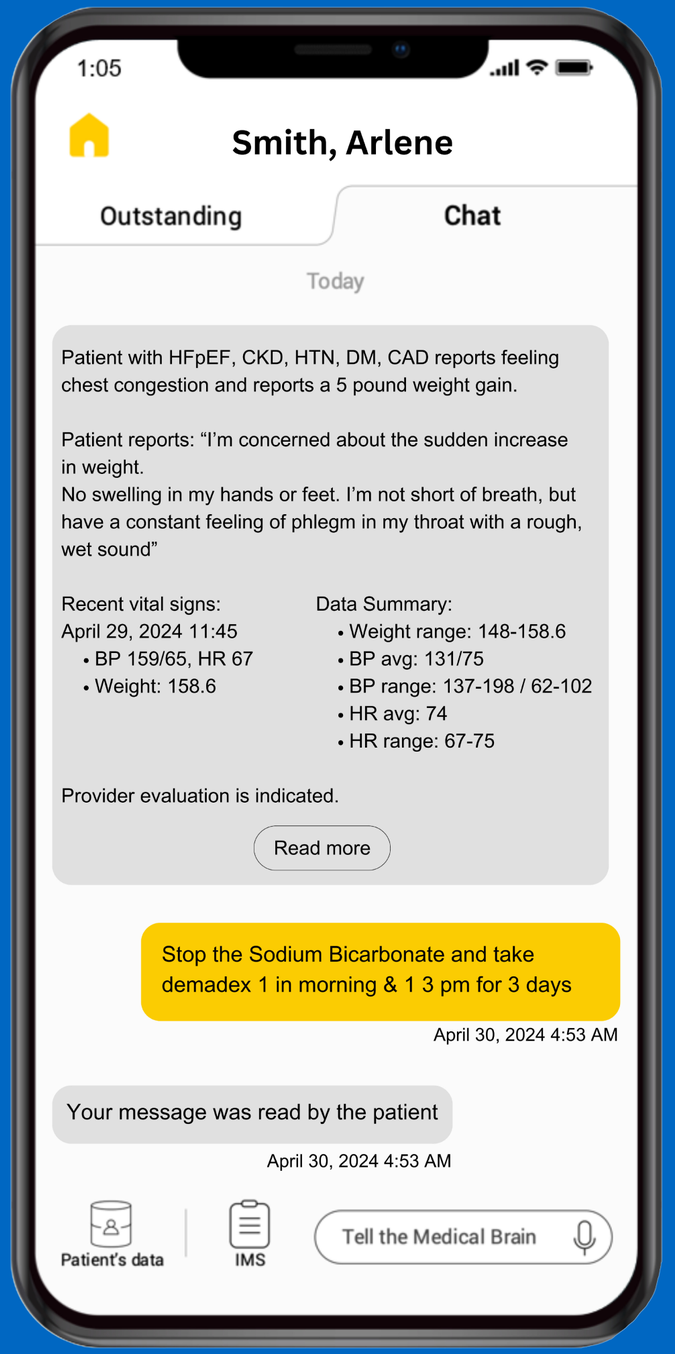


CASE STUDY

Twelve Days After Discharge (cont.)

Medical Brain sends a notification to the provider with a complete summary. He instructs patient to adjust medications. Medical Brain communicates instructions to patient.

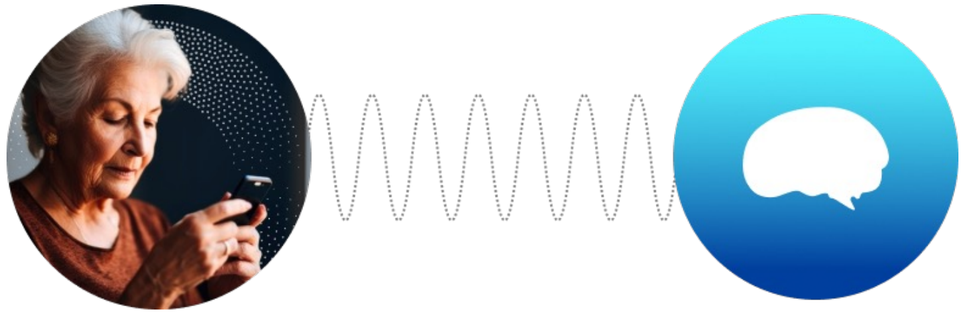


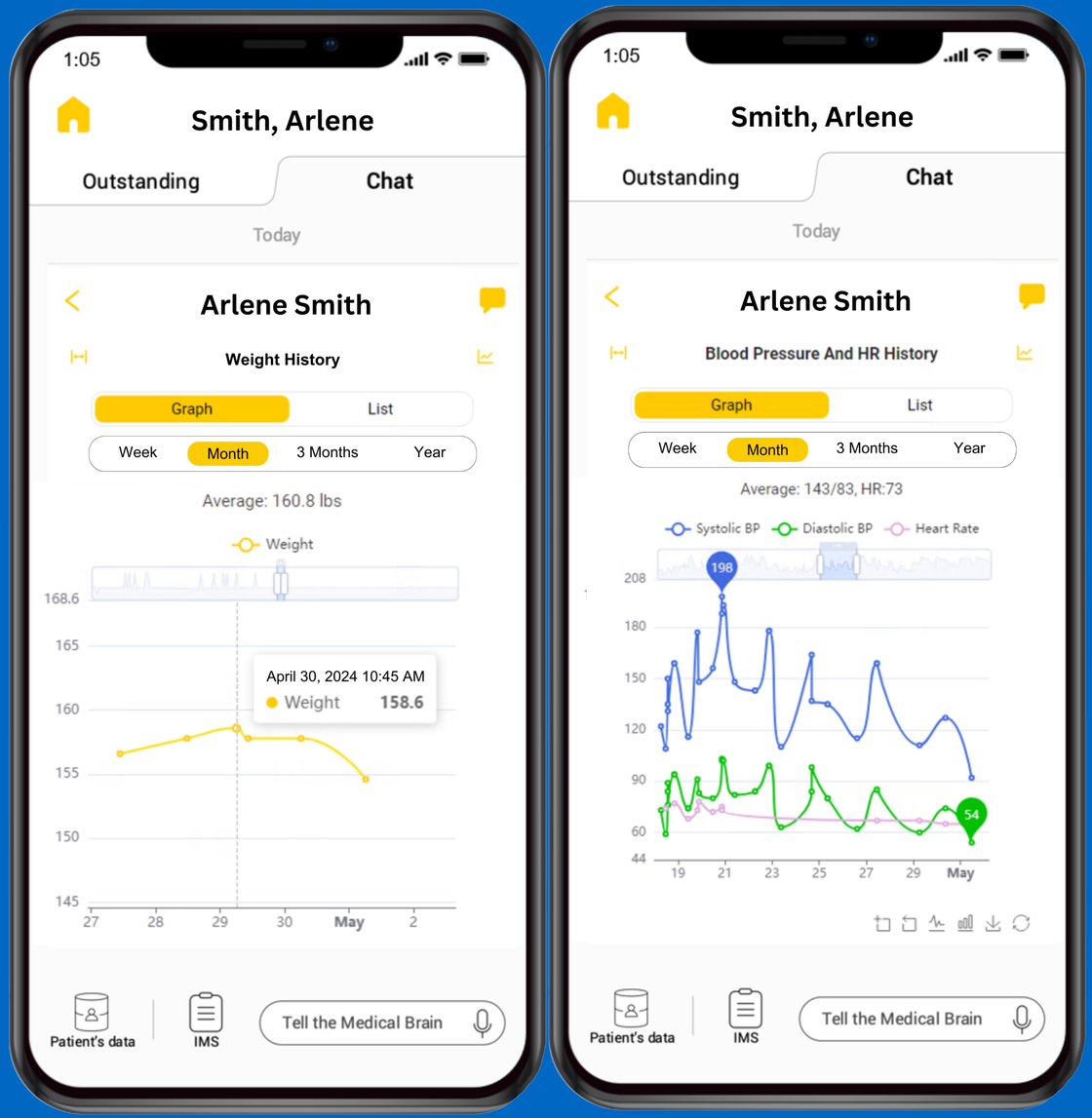


CASE STUDY

20 Days After Discharge

Medical Brain continues daily monitoring. Patient is in steady state. BP and weight graphs documented.





CASE STUDY

Medical Brain Prevented a Re-Admission - With Substantial Benefits for the Provider

Outcome

- Early identification of crisis level BP and acute weight gain in a heart failure patient with CKD post-discharge
- Allowed provider to intervene in real-time to stabilize the patient at home
- ER visit and hospital re-admission avoided

Outcome for Helen's Provider

- Averted hospitalization even though patient had TWO acute events, each of which could have resulted in readmission: HT urgency, and 5-pound weight gain with chest congestion
- ED/Hospitalization avoided