Meet Fee-B:

A Novel AI-Driven, Text-Based Approach to Trainee Feedback Acquisition & Aggregation

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INTRODUCTION

Assessment is a fundamental component of competency-based medical education, yet residency programs struggle to obtain timely, consistent, and high-quality feedback on trainees.

Current feedback methods, such as anecdotal recollections, app-based procedural logs (e.g., MyTipReport), and end-of-rotation surveys, are limited by recall bias, inconsistent use, and lack of real-time input. These shortcomings make it difficult to map feedback to Accreditation Council for Graduate Medical Education (ACGME) milestones, evaluate procedural competency, and support decisions related to remediation, individualized learning plans (ILPs), and promotion. Additionally, residents report insufficient real-time, actionable feedback hinders their growth.

Emerging approaches, including text-based reminder systems and AI-driven natural language processing, show promise in improving both the frequency and quality of feedback.

OBJECTIVES

Primary Objectives

- Solicit formative and summative feedback from faculty via a text-based platform
- Provide real-time, actionable feedback to trainees via a text-based platform
- Organize feedback into database according to ACGME milestones for Clinical Competency Committee (CCC) evaluations

Secondary Objectives

- Increase the volume and quality of faculty feedback
- Improve faculty and trainee satisfaction with feedback process
- Enhance efficiency and data quality for CCC

NEXT STEPS

IMMEDIATE NEXT STEPS INCLUDE:

- **Creating** Northwell- AI compliant knowledge bank
- **Creating** Northwell- AI compliant text-based platform
- **Initiating** pilot using Fake Back End (ie. manual texting and monitoring of data organization)

METHODOLOGY

- **Build Knowledge Bank** from which FeeB can learn to organize feedback and prompt faculty for more actionable and concrete feedback
- **Perform a Fake Back End** with small cohort of faculty and residents
- **Automate and Scale** FeeB's process once validated
- **Track Response Rates and Satisfaction** of users
- **Integrate** FeeB into Clinical Competency Conference
- **Expand** FeeB to additional trainee programs

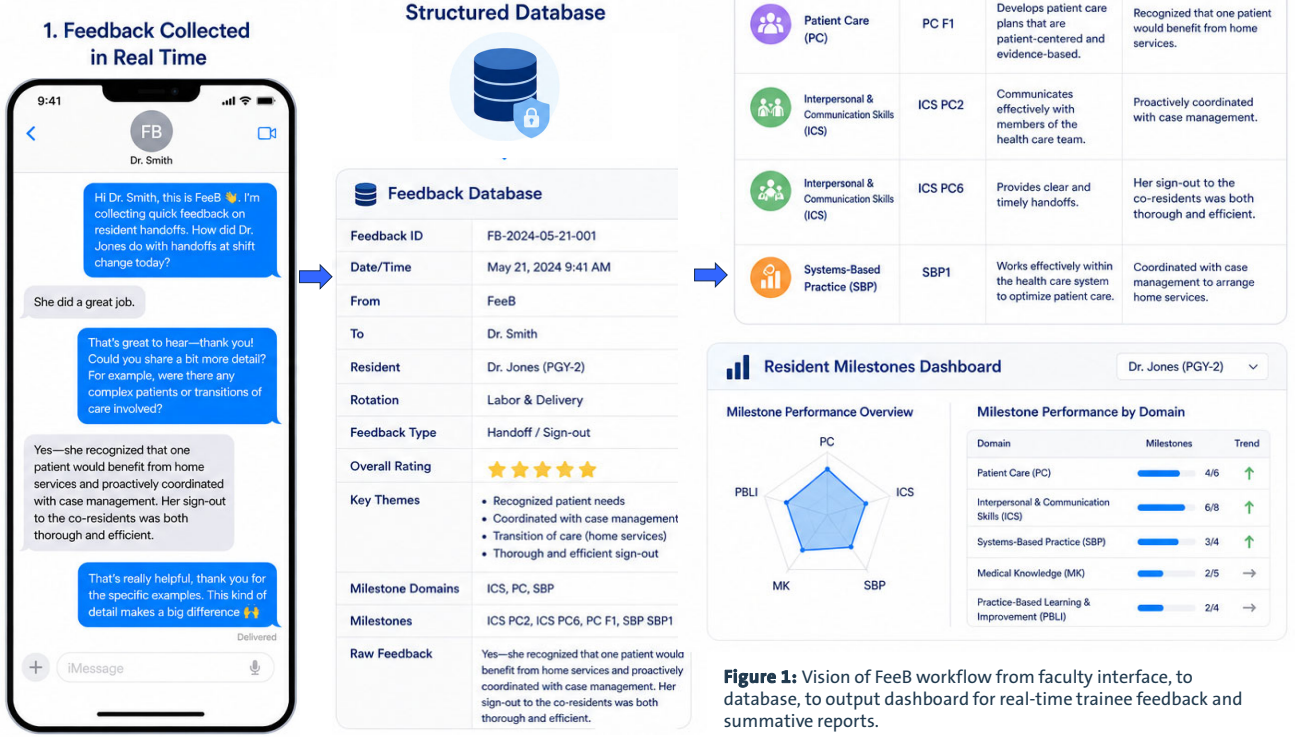

Figure 1: Vision of FeeB workflow from faculty interface, to database, to output dashboard for real-time trainee feedback and summative reports.

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