

Executive Brief

Project Title

AI-Assisted Documentation for Home Health and Hospice Nurses

Student Name: Linda Okafor

Muhammad Yaqoob

Mentor: Ayesha Azam

Project Overview

I would like to make documentation easy for home health and hospice nurses due to the large amount of documentation that is required. Two propositions I have currently include developing an AI able to record and transcribe nurse-patient interactions during home visits, generating real-time documentation, or using AI-driven templates that can auto-populate relevant patient information.

1. Value Proposition

Stakeholders:

- Key stakeholders: patients, caregivers, nurses, and agency administrators.

Current Situation (As-Is):

- Charting takes at least an hour and a half to complete, and if the time to chart can be decreased, it will be helpful.

Future State (To-Be):

- Decreasing the charting time significantly will be ideal if AI assistance can be implemented.

Value Delivered:

- Increase efficiency
- enhance care quality—patient-centered care

- Cost/time savings
- Improved patient satisfaction

2. Purpose

Why This Project:

- The reason I would like this project undertaken is because of the burden on the nurses. Visiting nurses have to chart from home, and some of this documentation is as long as 16 pages in length. It would be ideal if an AI program could assist with documentation to save time and improve efficiency.

Why Now:

- It would be ideal at this time, considering the significant advances in technology. It will be beneficial to the company if quality patient-centered care is delivered and more time is spent providing care than on documentation.

Goals

Objectives:

- To create AI-assisted documentation for home health and hospice nurses to decrease the amount of time spent on charting.

Success Criteria:

- Significant decrease in time spent on charting