# The Must-Have Electronic Medical Record (EMR) System Feature to Save Time and Ensure Seamless Patient Coordination: Dietitian Advanced Visit List (DAVL) for Case Management 

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Sengkang General Hospital (SKH) inpatient dietitians had been using Microsoft Excel (ME) in department shared folder to keep an active list of referred patients for the purpose of workload management. Dietitians had to manually key in patients' details, last seen date, intended next review dates, and plans as shown below:

SKH Dietetics Department Inpatient Review List
Ward 13 (ICU/HD)- CC


When patients were transferred from one ward to another or when discharged from SKH, dietitians had to transcribe information from Sunrise Clinical Manager (SCM) and to update the ME manually. As only one dietitian could update the ME at one time, thus dietitians had to each take turns to do so, causing time delay and inefficiency.

Overall, the transcription and old process were time-consuming, inefficient and with potential errors.

The project team conducted root cause analysis to understand the problems of the existing workflow and explored with the clinical informatics [Integrated and Health Information Systems (IHiS)] team on how to enhance the existing EMR system to simplify the existing workflow.

Existing SKH Dietitian Case Management Workflow


With the existing workflow process, patients' dietetic reviews could be potentially "missed" if the dietitian:

- Forgot to update the ME

- Accidentally deleted the ME.

Thus, the objectives of the EMR enhancement and workflow:

1. To reduce patients being "missed out" on intended reviews to 0\%
2. To streamline workflow within one platform to enhance efficiency and workload management.

A 4-month evaluation was carried out to evaluate the effectiveness of DAVL versus ME based on intangible and tangible outcome measures. EMR DAVL was utilized in a total of 3445 cases by dietitians in SKH from November 2018 till February 2019.


All dietitians had ranked the implement with high satisfaction compared to the manual inputs. The enhancement also improved individual and team workload management significantly and case prioritisation effectively.

The EMR Dietitian Advanced Visit List (DAVL) was developed to coordinate and prioritize cases with the following enhancements:

1. Utilise the existing EMR function to assign self or team member as "Care Provider".
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2. Enhance the existing Computerized Physician Order Entry (CPOE) for followup order and incorporate the new follow-up order form with "next review date" and "plan".

3. "Dietitian Review List" follow-up cases to view the "last review date", "next review date" and "plan".


## 5. Conclusion

The DAVL for dietitian case management has demonstrated its effectiveness in saving time for case coordination and prioritization. Reduced time spent on non-value added processes allows dietitians to continue optimising nutrition care and improve patient outcomes. This outstanding feature can be extended to other healthcare professionals to save time with better care coordination.

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