

E3 e-Nutrition Care System Enhanced, Efficient, and Effective Framework for Integrated Nutrition Care

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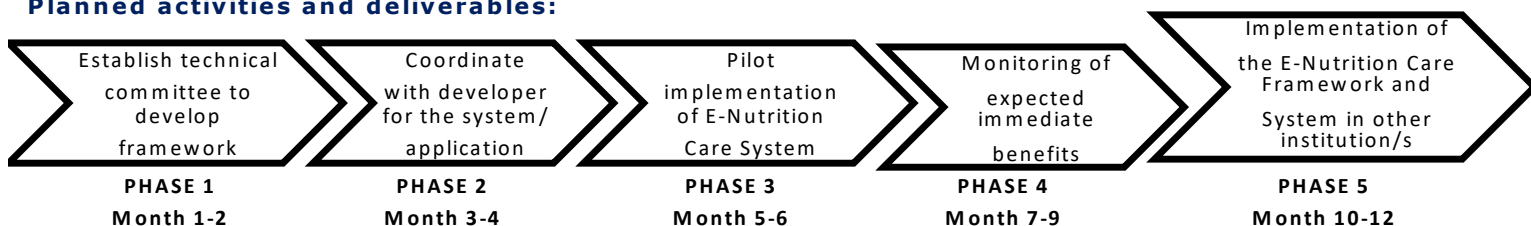
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Description of the Initiative

Based on a study in the Philippines in 2005, the development of a computerized system for nutrition surveillance has improved hospital based nutrition support, compliance to nutrition screening, and enhanced information dissemination regarding nutrition data.¹ Adapting this innovation in our institution has improved our average compliance in providing nutrition assessment and care from 38 percent to 90 percent of all nutritionally at-risk patients within two years. The availability and accessibility of technology and the increasing computer literacy of health care professionals are both underutilized resources in healthcare institutions and are recognized to be beneficial in the improvement of communication and integration of care processes. However, an established and recognized framework for the multi-phase nutrition care process that will be a basis for future electronic health systems innovations is yet to be established to align institutions to even at the national level.

Planned activities and deliverables:



Within the next 12 months, we expect to be able to run the above steps from establishing a technical committee who will develop the framework to developing the application for the E-Nutrition Care System and conducting and monitoring its pilot implementation in one institution. After its pilot implementation, it is expected that the workshops conducted and materials used for the E-Nutrition Care System implementation will be replicated for the promotion of its implementation in other hospital institutions with the support of PhilSPEN.

With the goal of sharing and aligning as many institutions as possible in order to reach national level of improving nutrition practice and nutrition databases, this run would run from Month 10 to Month 24.

Resources & enablers

The grant will be spent mainly in the initial investment in consulting and developing the technological application of the framework for quality nutrition care. A team of trainers will form the task force who will initially pilot the E-Nutrition Care System in the chosen pilot institution, St. Luke's Medical Center – Global City, and monitor the expected immediate benefits. With this, necessary materials and conducting of workshop to other health care professionals involved will also be done.

The overall responsibility for the execution of the work will sit with the project leader supported by St. Luke's Medical Center – Global City and supported and guided by the Philippine Society of Parenteral and Enteral Nutrition (PhilSPEN). Success of this initiative will be highly dependent on the support of the two aforementioned institutions and the different nutrition professionals and regional organizations that will be adapting the E-Nutrition Care System's framework and later on, technology.

Results/outcomes & expected impact

The expected immediate benefits include but are not limited to (1) enhanced process efficiency, (2) paperless documentation and communication, (3) easier data field validation, and (4) faster and more secure data analysis.

All these benefits will encourage more institutions to participate and invest in adapting the framework and technology, will facilitate monitoring of clinical outcomes and increase the recognition and integration of nutrition care in the overall data-driven project initiatives from the institutional level towards the national level, and will promote the integration of nutrition in the patient care given by these healthcare institutions.

With data from this system and the benefits to be gained by the institutions and with the support of PhilSPEN as the recognized leading institution in nutrition, it will be a stronger and influential force in national-level decision-making and policy development tapping both public and private health sectors.

References:

1 Llido, L. (2005). The impact of computerization of the nutrition support process on the nutrition support program in a tertiary care hospital in the Philippines. *Journal of Clinical Nutrition* 25 p 91-101