



## Service Priorities and Programmes Electronic Presentations

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### **Applying the Person-Environment-Occupation (PEO) Model on Fall Management: a Multi-cluster Collaborative Project**

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#### **Keywords:**

Fall

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#### **Introduction**

Falls are generally the result of multiple, diverse and interacting risk factors and a comprehensive approach on fall assessment and intervention is needed. The Person-Environment-Occupation (PEO) model (Stewart et al, 2003) is well illustrated the intrinsic, extrinsic and interacting factors related to fall. The PEO model depicts a transactional relationship between 3 elements (Person-Environment-Occupation) that influence occupational performance (Law et al., 1996). It can best fit the occupational therapy process in evaluation, intervention and outcomes. However, the application of the PEO model is not well established on fall management.

#### **Objectives**

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#### **Methodology**

Phase 1 (January 2014 – August 2014): - We conducted a survey to review the existing fall assessment and intervention i.e. assessment tools and treatment modalities used among all public hospitals. Phase 2 (August 2014 – December 2014): - Comparing different models / approaches on fall management from overseas and local practices, we selected PEO model as clinical framework for guiding therapists on fall assessment and intervention. Phase 3 (January 2015 till now): - We applied PEO model on fall assessment and intervention. Ideas are generated from PEO model on fall assessment and intervention. We then developed a fall screening checklist based on PEO model. A pilot study of PEO fall screening checklist for 7 represented cluster hospitals was conducted. We plan to provide clinical sharing of newly developed fall screening checklist and apply to all clinical settings. Phase 4 (October 2015 till now): - Evidence-based practice on application of PEO model is developed. We reviewed literature to support the

development of fall screening checklist. Scientific investigation on the psychometric properties of newly developed fall screening checklist will be implemented in future.

### **Result**

We completed phase 1 and 2 tasks. At this stage, we will proceed phase 3 and 4. By applying the PEO model on fall management, a useful clinical framework is developed so as to guide the therapists in fall evaluation, intervention and outcomes. This model is well explained the need of occupational therapists to address the fall issues and applied in all clinical settings.