



Service Priorities and Programmes Electronic Presentations

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Improvement program in enhance the accuracy and standard record of intake and output chart

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Keywords:

Intake and output chart documentaion

Introduction

Intake and output chart is a document using to record all fluids of patient's intake and output in certain of time, usually in 24 hours, in hospital. It is one of the important guides to assess and monitor patient's condition and implement appropriate treatment. However, it was found to be incomplete and illegible. Therefore, refreshment of clinical staff and standardize charting system is necessary to improve its accuracy.

Objectives

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Methodology

Data collection and analysis. In order to recognize the common existing problems of intake and output recording, randomized intake and output chart were collected and analyzed. Poor record with calculation and lack of characteristics of fluid recording were concluded.

Refreshment of clinical staff. Briefing and refreshment was introduced to nursing staff during educational programme session. Evidenced-based practices were approached with previous intake and output record. Common mistakes were explained, conversion tables of intake and output utensils in millilitres or grams were made by scientific methods and introduced with Chinese, English and photos. Reviewed Guideline of intake and output recording was introduced.

Pilot study and review. The pilot study was performed in a pilot ward with evaluation of its compliance performed for 3 months.

Programme implementation and Evaluation. The programme was implemented in 3 wards of department and being evaluated after 1 year.

Cross ward intake and output recording audit was performed in three wards of department from 1 to 30 June, 2016. The audit forms which was modified and endorsed by department were adopted. The standard criteria (SC) were stated with department reviewed guideline on intake and output recording. Data were collected through checking of intake and output chart, CMS and IPMOE during audit.

Result

Unit Based Compliance Rate

7 samples were selected from each ward. Total 21 samples were collected. 24 items including critical items SC1 and SC8 were on this standard. Compliance of each samples were 71-100%. The overall compliance rate was 90 %.

Standard Criteria Compliance Rate

The audit on intake and output recording consisted of 24 standard criteria (SC) including critical items SC1 and SC8. Compliance rates of individual SC was 50-100%. 100% compliance was attained in 8 standard criteria including SC3, SC4, SC10, SC11, SC12, SC17, SC18, SC 24 and critical items SC1. Over 90 % compliance was attained in 6 standard criteria including SC2, SC5, SC9, SC13, SC21, SC 22 and critical items SC8. Over 80% compliance was attained in 5 standard criteria including SC7, SC15, SC16, SC20 and SC23. 73% compliance was attained in SC19. 62% compliance was attained in SC6 and. 50% compliance was attained in SC14. Overall 91% compliance was attained in 24 standard criteria.