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Privacy Impact Assessment (PIA) Summary

Public Body or Custodian: Capital Health

Project Title: Home Parenteral Therapy Smart Infusion Pumps

Date Submitted: March 20, 2008

Date Accepted: April 28, 2008

OIPC TRAX File: H2009

Project Summary:

In accordance with the recent Health Quality Council of Alberta report, Capital Health has been directed to purchase new ambulatory infusion pumps which have "smart" technologies designed to reduce error and risk. To replace existing pumps which are reaching end of life Capital Health (CH) Regional Pharmacy Services RPS have purchased new ambulatory infusion pumps (Curlin Medical 6000 CMS™) for use in their Home Parenteral Therapy (HPT).

Proposed Change

New pump functionality includes a PC interface with software (Clinical Management System - CMS) allowing the pumps to be programmed directly using preset protocols located in a centralized database, thereby minimizing input errors.

The CMS software allows the health care provider to download an audit history from the pump after each use, similar to a "black-box" history, detailing what operational events occurred while the pump was in use. In order to distinguish audit histories each file will be tagged with the relevant patient's Personal Health Number (PHN) and the site from which the pump originated.

The audit log allows the healthcare practitioner to review all operational activities and instances where by therapy may be unexpectedly interrupted, changed, or fail, during the interval between the pump being programmed and sent home with the patient until it is retrieved.

Benefits to Patient Care and Service:

The CMS software greatly decreases the risk of errors that can occur during the manual pump programming process, such as incorrect key presses, “double-tap” key errors, or transcription error when reading from a pump programming sheet.

For additional information on this project please contact:

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