

Hartford HealthCare: The Hospital of Central Connecticut

TITLE: Tracking of Occupational Dose Across Multiple Facilities and Licenses

SCOPE: Radiation Safety Office

PURPOSE: To investigate the extent of radiation exposure to occupationally exposed individuals working under multiple radioactive material licenses, and to ensure these individuals do not exceed state and federal quarterly and annual regulatory dose limits.

Introduction

State and federal regulatory dose limits are intended to cover an individual across all occupational exposure received under one or more radioactive material licenses. In order to monitor this exposure, licensees must attempt to obtain, at regular intervals, dose records for individuals identified as radiation workers at outside facilities and licenses.

Methodology

The HHC Radiation Safety Office has historically compiled dose records for HHC occupationally exposed individuals that work under one or more licenses within the HHC umbrella. These totals are summed across all HHC sites for comparison against state and federal regulatory limits. In response to NRC recommendation, an investigation has taken place to identify employees working under HHC-affiliated licenses who are also receiving exposure under non-HHC affiliated licenses, with the goal of ongoing tracking of total occupational exposure. The results of this investigation for HOCC are summarized in Table 1.

Table 1 – Number of HOCC Employees Monitored Under Other RAM Licenses

Department	Monitored Under Another HHC License	Monitored Under an Outside License
Radiation Oncology	14	8
Radiology	16	0
Nuc Med / PET	0	4

Additionally, any new employee requesting dosimetry will be asked to disclose all outside employment involving exposure to licensed radiation sources, both at the time of hire as well as in the course of future employment. Individuals identified as having occupational exposure outside of the HHC system will be asked to supply quarterly dose records to the Radiation Safety Department for addition to their HHC dosimetry records and comparison to relevant state and federal dose limits.

Section:	Radiation Safety
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