**Goal:** A program was funded in 2002 by the NCI to produce and support a web-based computer-aided distant learning tool for training medical dosimetrists. Medical physicists, radiation oncologists, and medical dosimetrists have served as volunteer authors of the 24 modules in the tool consistent with the recommendations of the American Association of Medical Dosimetrists (AAMD) for a recognized medical dosimetry training program. The distant learning modules contain assessment instruments for both the summative evaluation of the students as well as the formative evaluation of the learning tools. The intent of this project is for graduates from these programs to apply for the certification examination administered by the Medical Dosimetrist Certification Board when they have accrued the required two years of training and experience.

**Accomplishments:** The authors have developed and refined their individual modules by electronic transmission of course material to developers at Stanford. Over 7000 html pages are currently online. Medical physicists, radiation oncologists, and medical dosimetrists in radiation oncology centers serve as mentors for the students. A test of the tools is being conducted by 73 mentors registered to train approximately 159 students.

**Resources:** Information about the program is available on the web at http://dosimetry.stanford.edu.

**Upcoming Changes:** The html pages are being converted to an xml format using a learning management system being developed at Stanford. The project is now recruiting reviewers to participate in a round of revisions of the existing material that will take place over the next year.

Educational Objectives:
1. To understand the goals and methods of a web-based training project for Medical Dosimetrists
2. To learn about opportunities to participate in the development of course content in the project.