

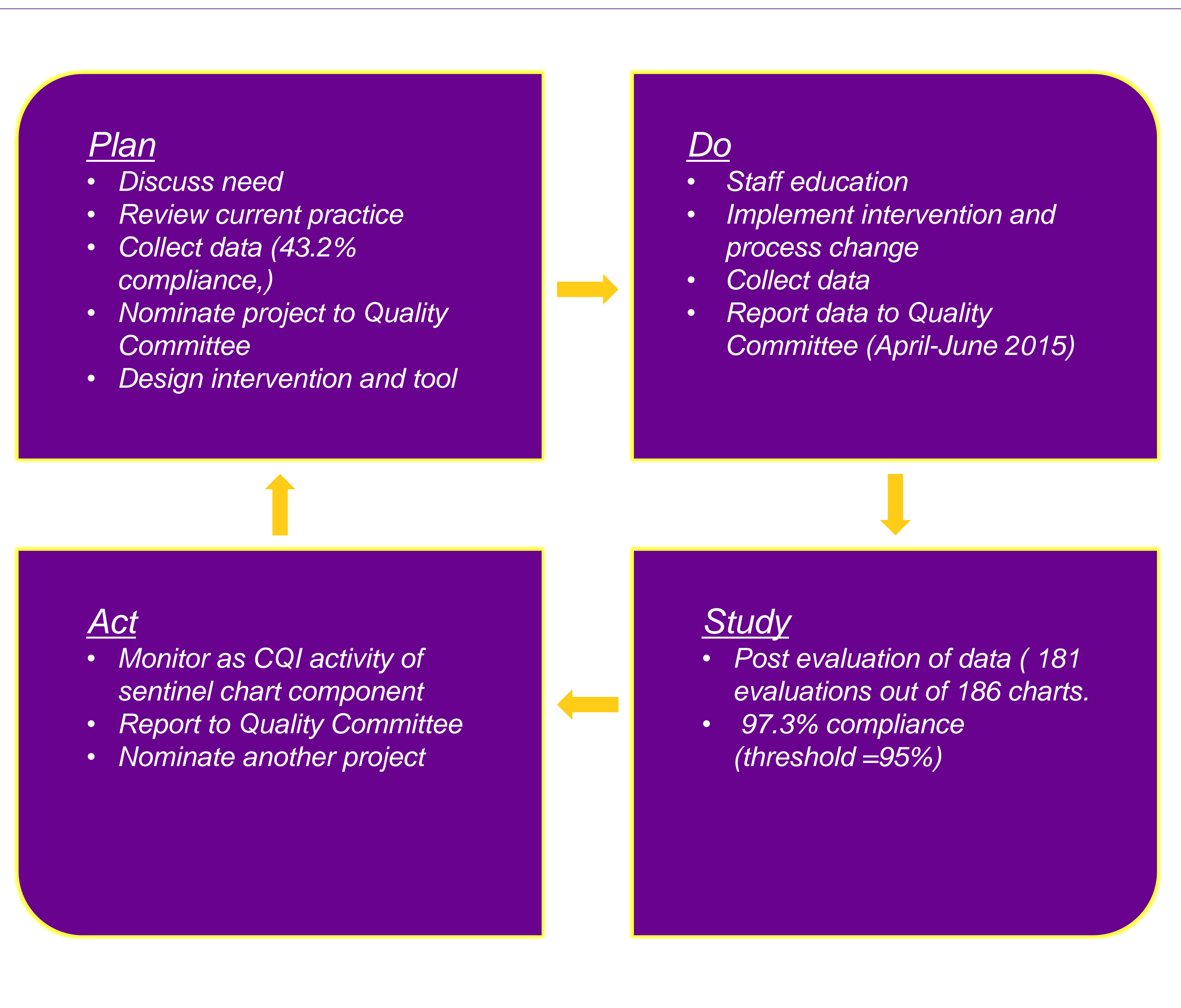
## BACKGROUND

Patients receiving radiation therapy treatment often exhibit pain as a consequence of their cancer or treatment, and is a major factor affecting the patient's quality of life and functional status. Accreditation standards require pain to be assessed and managed, which are key components in successful implementation of a radiation therapy plan of care. Multifactorial causes for cancer pain, the subjective nature of pain assessment, and the protracted nature of radiation delivery make it necessary to routinely evaluate patient pain using quantifiable metrics. These evaluations can then be used to develop and evaluate effectiveness of interventional strategies.

## PROJECT AIM

The aim of this project was to evaluate baseline compliance with patient pain assessment and documentation at the time of initial consult, during weekly on-treatment visits (OTV), and at completion of treatment. Internal "spot check" chart review in early 2015 showed deficits in 16 of 37 charts (43.2%) reviewed for pain assessments, revealing documentation well below the required threshold. Data were used to design an intervention to assure 95% compliance.

## CHANGES MADE (PDSA CYCLES)



## LESSONS LEARNED

Ongoing monitoring is an important strategy to assure complete evaluation, treatment and outcomes of patient pain while receiving radiation treatment. A clearly defined and quantifiable process is important to facilitate monitoring and ongoing pain management. Improvements in consistency of pain assessment and management promote enhanced focus on patient pain and contribute to delivery of care, and patient quality of life and performance status.

## NEXT STEPS

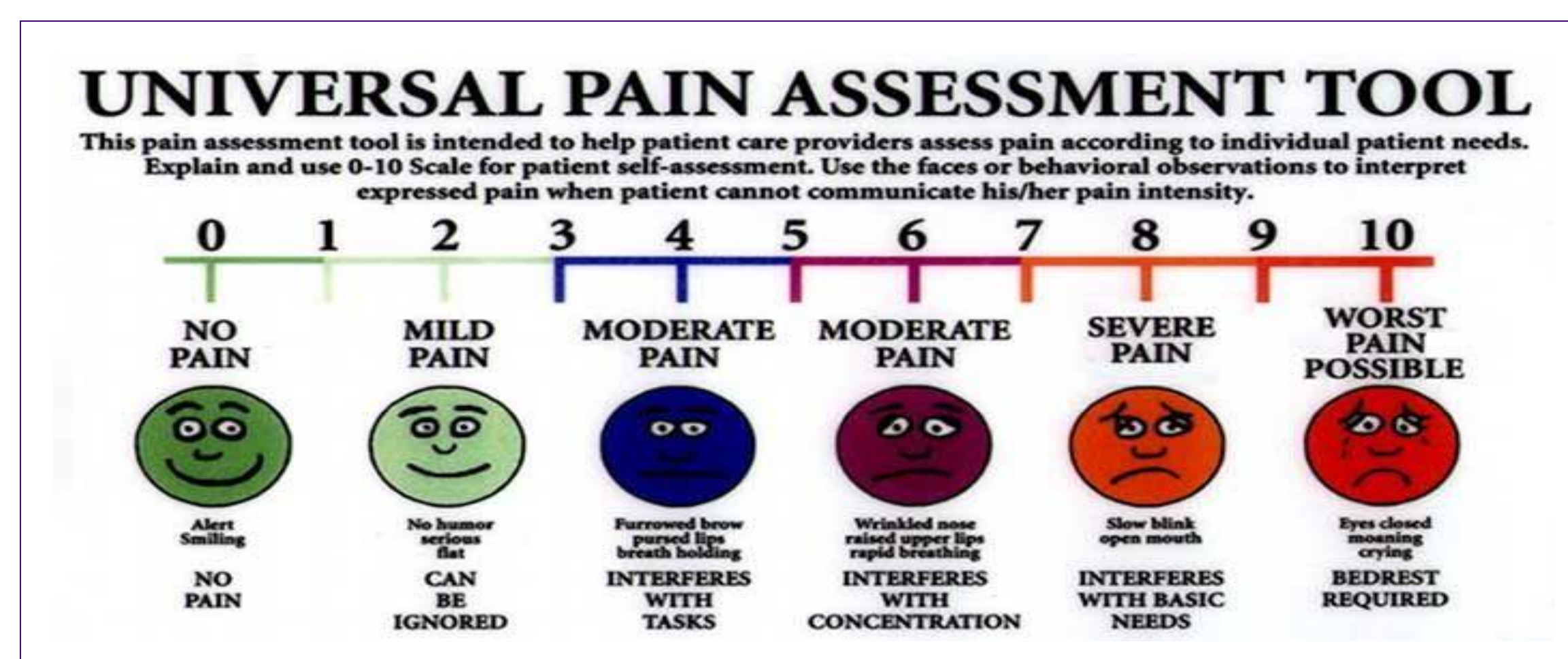
These data showed an improvement in pain assessment by nursing from a baseline of 57% of patients to an average of 97% over the observation period. Documented pain assessment is now an ongoing chart quality monitor under the Nursing Report and will be reported annually. Next steps are to expand this monitoring on a patient specific basis into the follow-up period.

## ACKNOWLEDGEMENTS

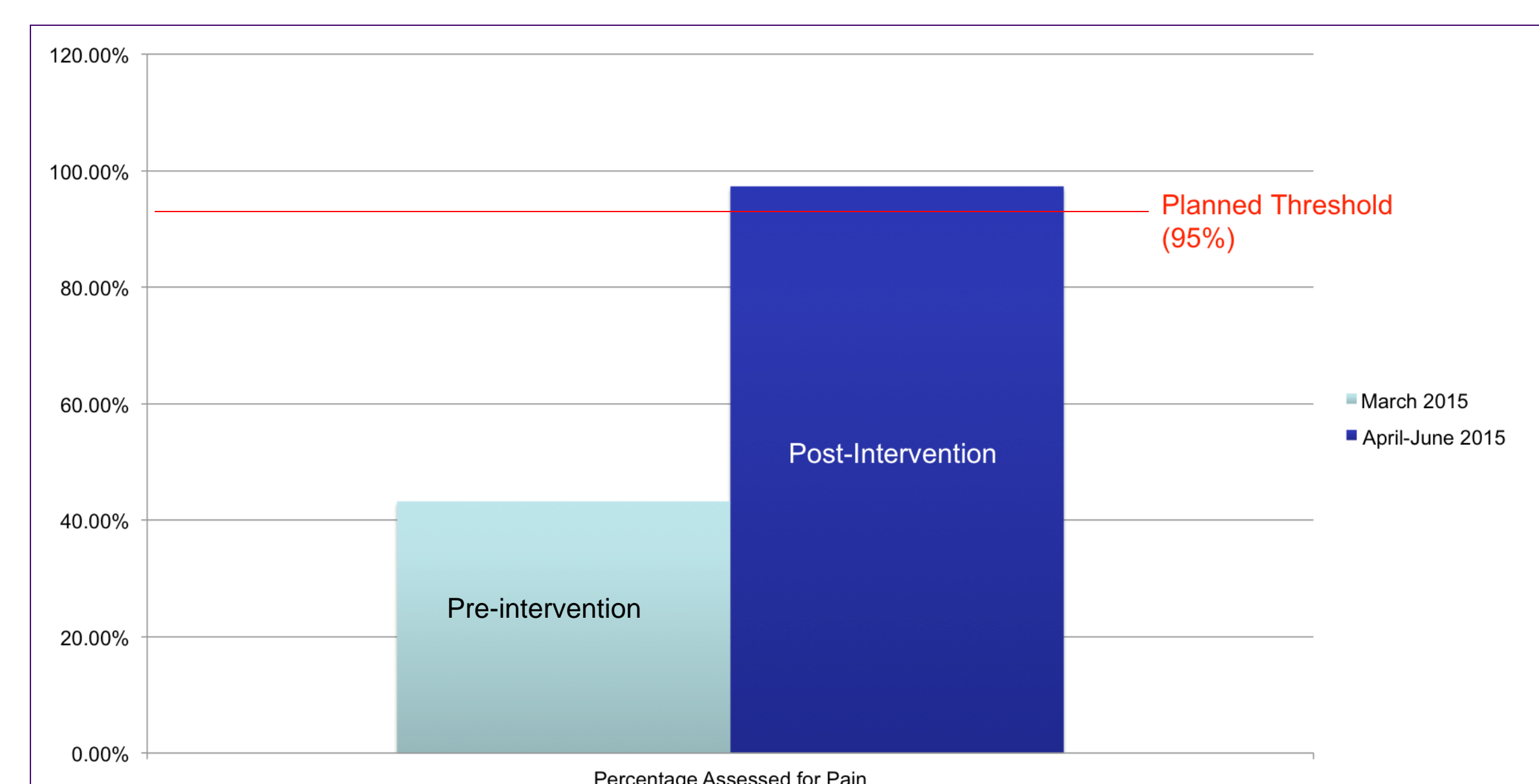
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## PROJECT DESIGN/STRATEGY

Nursing staff within the Department of Radiation Therapy revised the process for the accepted 10-point intensity scale to evaluate patient pain. This revised process included staff re-education, workflow adjustments, and nursing evaluation prior to, during, and the end of the radiation treatment course using a standardized pain scale form. Documentation was accomplished by means of vital sign template encounter tool used by Nursing at the time of initial consult, for weekly on-treatment visits (OTVs), and end of treatment (EOT) encounter.



## RESULTS/OUTCOMES



Data were monitored for the period of April-June 2015 and reported as a continuous quality improvement (CQI) activity to the department's Quality Committee. Amassed data showed a total of 186 unduplicated patients were treated during this period, and 181 (97.3%) had documented pain assessments.