

On Jan. 9, 2015, The Joint Commission issued "Revised Requirements for Diagnostic Imaging Services," which took effect July 1, 2015. The new requirements call for more stringent tracking and recording of X-ray dose performance and making improvements that align with external benchmarks.

put a hospital's accreditation at risk and adversely impact revenue. Here's a summary of the

Failure to meet the new standards could

new safety standards.

The commission calls for hospitals to record the radiation dose index

1. Dose index

of every study conducted on a patient during a diagnostic computed tomography (CT) exam. This includes: Volume computed tomography

- Dose length product (DLP)

dose index (CTDIvol)

A more reliable dose reporting system —

Size-specific dose estimate (SSDE)

which may involve automated dose reporting — may assist physicians in giving the right radiation dose for each patient. 2. Dose data analysis

and review The requirement calls for hospitals to examine instances where the radiation dose index (CTDlvol, DLP, SSDE) exceeds the anticipated dose index range. The results are then compared

to external benchmarks. Hospitals are asked to analyze data from each radiation-emitting imaging system according to:

Exam type

Patient characteristics

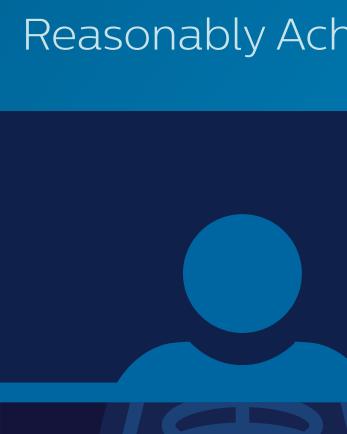


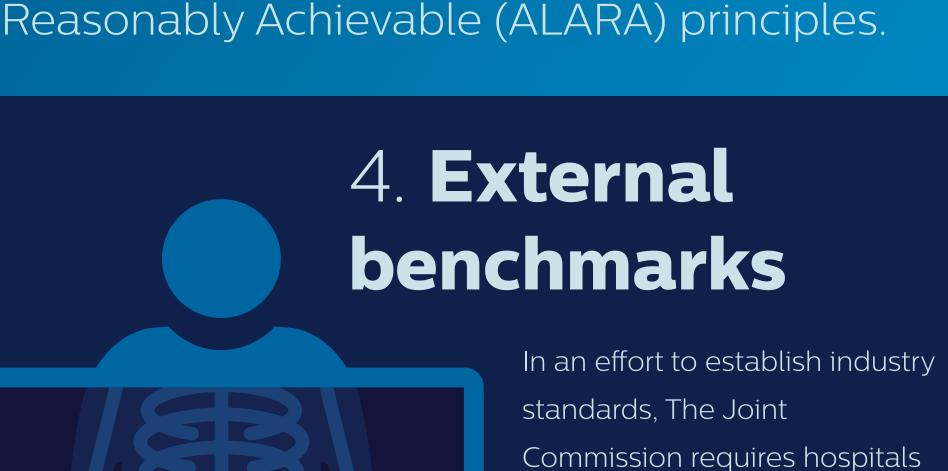
Staff preferences

dose ranges

3. Review excessive

hospitals should establish diagnostic reference levels (DRLs) to assure they are in accordance with As Low As





After measuring and analyzing radiation

doses for all radiation equipment,

4. Review and record imaging protocols

to compare the DRLs of each

X-ray machine against other

their institution) as a way to

mitigate patient and staff

exposure to radiation.

healthcare providers (and within

establish benchmarks. This can

Diagnostic CT imaging protocols are to be reviewed and kept current. In addition, interpreting radiologists, medical physicists and lead imaging technologists should provide input to make sure protocols adhere to the most current practice stand ards and factor in

Maintaining imaging protocol reviews allows

needs, and the lowest possible dose necessary administered.

changes in imaging equipment.

established by the institution.

Reviews are conducted at intervals



safety

The goal of The Joint Commission's new standards is to create more individualized treatment for patients and reduce excessive exposure to radiation for both patients and staff. By establishing industry-wide benchmarks and recording vital dose data, hospitals can lay the foundation for an effective radiation program in their facility.

