

Dose Information				
Images	CTDIvol mGy	DLP mGy·cm	Dose EIL %	Phantom cm
1-8	10.44	20.88	92.70	Head 16
9-877	4.01	240.58	92.70	Body 32
878-1025	4.65	27.08	92.70	Body 32
1026-1217	18.88	113.94	92.70	Body 32
SmartPrep	238.48	119.74		
Projected series DLP:		532.03		mGy·cm
Accumulated exam DLP:		1561.23		mGy·cm

DLP: The DLP or Dose Length Product is the product of the CTDIvol and the scan length for a group of scans. This number can be summed over the entire exam to give an estimate of the total dose. The value is expressed in milliGray * centimeters.

Dose Efficiency: The dose efficiency is a function of focal spot size and beam collimation. The dose efficiency is a measure of how much of the Z axis X-ray beam is used by the system.

CTDIvol: As you setup the scan parameters from the view/edit screen, the Dose Information area at the upper right of the scan monitor contains updated dose information. This dose information is based on a measurement of the CTDI or CT Dose Index, which is the current standard for CT dosimetry and performance. By using a measurement called CTDIvol, a single value is provided to estimate the relative dose for an exam.

The CTDIvol is a weighted average measurement in a reference phantom. This dose is expressed in milliGrays. For additional information on specific CTDIvol doses and their calculations, refer to your Technical Reference manual.

Phantom: The Phantom sections displays which phantom type and size was used to determine the CTDIvol calculation.

Projected series DLP: The Projected Series DLP shows the DLP that would result from scanning the current group or groups.

Accumulated exam DLP: The Accumulated Exam DLP displays the total exam DLP up to the current point in time. Scout dose is not included in the DLP totals since standards for reporting scout dose are not yet defined. Scout dose is generally a very small part of the exam.

This information has been extracted from the CT Learning & Reference Guides.

