

Radiation Safety Review Guidelines

All ionizing radiation used in human subjects research throughout the Mount Sinai Health System is subject to review. To facilitate this review, each project employing ionizing radiation is evaluated based on exam utilization summaries provided by the investigator. Levels of radiation exposure for any research and/or standard of care purposes are estimated by the “Dosimetry Wizard” spreadsheet available in Ideate on the Radiation Safety tab. This Wizard includes calculations for radiography, computed tomography, and common nuclear medicine and interventional procedures. If your project includes non-listed procedures or exam types these are calculated separately.

The Dosimetry Wizard also allows the investigator to indicate fluoroscopy time for evaluation.

The table below indicates the level of Radiation Safety Review based on the Total Effective Research Radiation Dose.

Level	Total Effective Research Radiation Dose	Radiation Safety Review	Subject to Random Audit
0	0 mSV (all years)	Exempt	Yes
1	≥ 0 mSv and < 5 mSv (all years)	Admin Review	Yes
2	≥ 5 mSv and < 50 mSv (any year)	Subcommittee	Yes
3	≥ 50 mSv (any year) or project involving: Pregnant persons, or children	Full RSC	Yes