		Occupation	al exposure	Public exposure	
mSv: millisieverts		ICRP	Laws and regulations concerning the prevention of radiation hazards (Japan)	ICRP	Laws and regulations concerning the prevention of radiation hazards (Japan)
Effective dose limits		The average annual dose for the prescribed five years should not exceed 20 mSv and the annual dose for any one year should not exceed 50 mSv. (*1)	Same as the Recommendations and the annual dose for any one year should not exceed 50 mSy. (*3)	1 mSv/year (Exceptionally, if the average annual dose for five years does not exceed 1 mSv, exposure exceeding the limit for a single year may be sometimes permitted.) (*1)	Dose limits are not specified, but doses at the boundaries of business establishments, including those due to exhaust gas and water, are regulated not to exceed the dose limit of 1 mSv/year. (*3)
Equivalent dose limits	The Lens of the Eye	The average annual dose for the five years should not exceed 20 mSv/year and the annual dose for any one year should not exceed 50 mSv. (*2)	The average annual dose for the five years should not exceed 20 mSv/year and the annual dose for any one year should not exceed 50 mSv. (*3)	15 mSv/year (*1)	-
	Skin	500 mSv/year (*1)	500 mSv/year (*3)	50 mSv/year (*1)	-
	Fingers and toes	500 mSv/year(*1)	-	-	-
Dose limits for female radiation workers		The effective dose of an embryo/a fetus during gestation after reporting pregnancy should not exceed 1 mSv. (*1)	5 mSv/3 months Equivalent dose limit for the abdominal surface after coming to know of pregnancy until delivery: 2 mSv Internal exposure: 1 mSv (*3)	-	-

\*3 Japanese laws and regulations concerning the prevention of radiation hazards (as of December 2021)

Present laws and regulations in Japan have not yet completed the incorporation of the 2007 Recommendations of the ICRP, but dose limits specified in the 2007 Recommendations are mostly the same as those in the 1990 Recommendations. Therefore, dose limits in Japan also mostly coincide with those specified in the 2007 Recommendations. Japan has uniquely specified dose limits for female radiation workers (5 mSv per three months).

The ICRP Statement on Tissue Reactions makes recommendations concerning the equivalent dose limit for the lens of the eye under planned occupational exposure. Based on this, in Japan, "Approach to Radiation Protection of the Lens of the Eye" was recommended by the Radiation Council in March 2018, and all related laws and regulations (the Regulation on Prevention of Ionizing Radiation Hazards, etc.) were amended in 2021.

Included in this reference material on March 31, 2013 Updated on March 31, 2022

4.2 Dose Limits