Measurement	osure Doses fro ulation)	om Foods (Ex	ample of
(e.g.) An ac Cesium-13	dult consumed 0.5 kg 7 100 × 0.5 (Bq/kg) (kg)	× 0.013 = 0 (μSv/Bq)	ng 100 Bq/kg of .65 μSv 065 mSv
and the	Committed e	effective dose coef	ficients (μSv/Bq)
	Committed e	effective dose coef lodine-131	ficients (µSv/Bq) Cesium-137
	Committed e Three months old		
		lodine-131	Cesium-137
	Three months old	lodine-131 0.18	Cesium-137 0.021
	Three months old One year old	lodine-131 0.18 0.18	Cesium-137 0.021 0.012
	Three months old One year old Five years old Adult	lodine-131 0.18 0.18 0.10	Cesium-137 0.021 0.012 0.0096 0.013

For example, the dose that an adult who consumed foods containing Cesium-137 will receive is calculated here.

Suppose the person has consumed 0.5 kg of foods containing 100 Bq of Cesium-137 per 1 kg.

The amount of Cesium-137 actually consumed is 50 Bq. This value is multiplied by an effective dose coefficient to calculate committed effective dose (p.56 of Vol. 1, "Committed Effective Doses").

Committed effective dose coefficients are defined in detail for each type of radioactive material, each intake route (inhalation or ingestion), and each age group (p.57 of Vol. 1, "Conversion Factors to Effective Doses").

Included in this reference material on March 31, 2013 Updated on March 31, 2015