

Dose recommendations for KI (FDA Guidance, December 2001)

	Predicted thyroid exposure (cGy)	KI dose (mg)	Number or fraction of 130 mg tablets	Number or fraction of 65 mg tablets	Milliliters (mL) of oral solution, 65 mg/mL
Adults over 40 years	≥ 500**	130	1	2	2 mL
Adults over 18 through 40 years	≥ 10**	130	1	2	2 mL
Pregnant or Lactating Women	≥ 5	130	1	2	2 mL
Adolescents, 12 through 18 years*	≥ 5	65	1/2	1	1 mL
Children over 3 years through 12 years	≥ 5	65	1/2	1	1 mL
Children 1 month through 3 years	≥ 5	32	1/4	1/2	0.5 mL
Infants birth through 1 month	≥ 5	16		1/4	0.25 mL

*Adolescents approaching adult size (≥70 kg) should receive the full adult dose (130 mg).

**FDA understands that a KI administration program that sets different projected thyroid radioactive dose thresholds (committed dose equivalent (CDE)) for treatment of different population groups may be logistically impractical to implement during a radiological emergency. If emergency planners reach this conclusion, FDA recommends that KI be administered to both children and adults at the lowest intervention threshold (i.e. > 5 rem projected internal thyroid dose in children (FDA 2001)). [Planning Guidance for Protection and Recovery Following Radiological Dispersal Device \(RDD\) and Improvised Nuclear Device \(IND\) Incidents](#) (PDF - 394 KB) (DHS/FEMA, published in Federal Register, August 1, 2008, Z-RIN 1660-ZA02)