



Samples for calculating thyroid equivalent dose

The base population for calculating thyroid equivalent dose varies according to objectives.

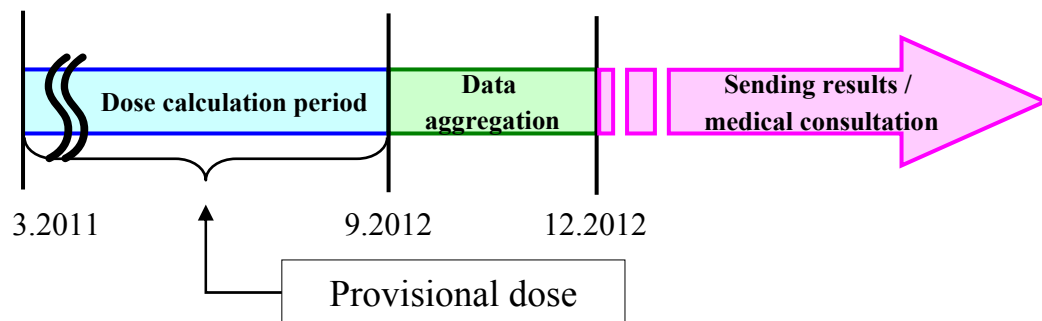
- WHO (World Health Organization):
Including only those who have had the actual thyroid equivalent dose level measured for academic purposes
- Long-term health management:
Targeting all samples and using conservative estimation figures for the purpose of health management

		Instrument	
		Thyroid monitor	Full-body scanner
I-131 Detection status	I-131 detected (Assessed with actual figures)	<p>Data submitted to WHO (4.2012): Academic purpose</p> <p>100mSv+ : 178 out of 522 people</p>	
	I-131 not detected (Corrected assessment※)	<p>Data for selecting those to undergo ultrasonography (7.2013): Health management purpose</p> <p>100mSv+ : 1,972 out of 19,592 people (for FY2013 information)</p>	
Remarks		<p>Those who underwent precise measurement at JAEA and National Institute of Radiological Sciences</p> <p>→Precise measurement of thyroid dose</p> <ul style="list-style-type: none"> • For those who registered 20mSv+ in full-body scan 	<p>Those who received the scan at Onahama immediately after the accident</p> <p>Corrected full-body I-131 measurement</p> <p>→Tends to result in overestimation (Approx. 3 times the detector of the same type)</p> 

※Corrected assessment of I-131 (Iodine 131): For samples who did not have the short half-life I-131 detected due to delay in internal exposure measurement, their iodine dose was calculated based on the ratio between ambient iodine and cesium and the detectable limit of iodine. This approach produces conservative assessment, which tends to be overestimation.

TEPCO's own dose calculation under the long-term health management program

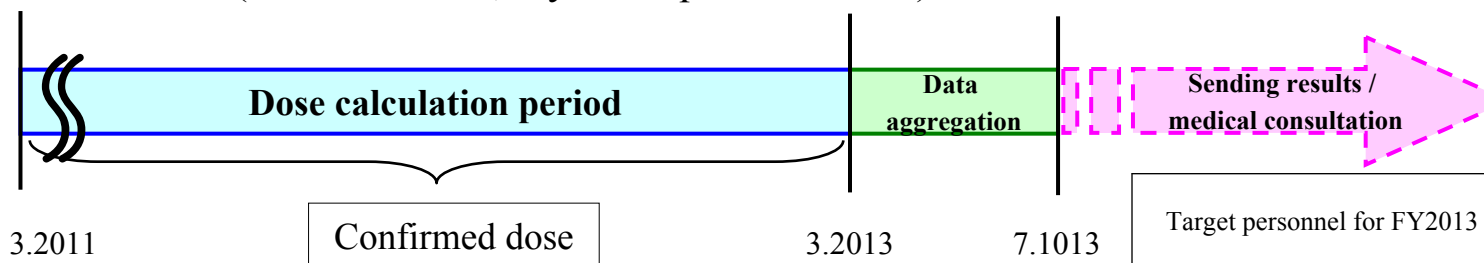
○ FY2012 (Effective dose, thyroid equivalent dose)



Target personnel for FY2012	TEPCO employees	Contractor employees
① Effective dose (50~Under 100mSv)	501	522
② Thyroid equivalent dose (100mSv or above)	975	887
Those who are both ① and ② (re-posted)	417	266

- Effective dose data is aggregated as appropriate, with information sent to those who have become newly applicable.
- TEPCO introduced neck ultrasound based on thyroid equivalent dose in August 2012.

○ FY2013 (Effective dose, thyroid equivalent dose)



Target personnel for FY2013	TEPCO employees	Contractor employees
① Effective dose (50~Under 100mSv)	534	600
② Thyroid equivalent dose (100mSv or above)	976	996
Those who are both ① and ② (re-posted)	436	268

- Dose data is aggregated with information sent to those who have become newly applicable half-yearly in consideration for those workers who become applicable halfway through the year.