

Table 1. Number and percentage (only for the exposed group) of workers of TEPCO and contractors who received examinations

	Exposed group		Control group	Total number of workers who received examinations (workers)
	Number of workers who received examinations (workers)	Percentage of workers who received examinations (%)		
Contractors	996	22	220.9%	137
TEPCO	976	605	62.0%	1300
Total	1972	627	31.8%	1437

Table 4-a. Number of workers who received examinations by age group, percentage of each age group among the total number of workers who received examinations (Group percentage) and percentage (only for the exposed group)

Age group	Exposed group			Control group			Total number of workers who received examinations (workers)
	Number of applicable workers (workers)	Number of workers who received examinations (workers)	Group percentage (%)	Number of workers who received examinations (workers)	Group percentage (%)		
20-24	102	34	5.4%	33.3%	92	6.4%	126
25-30	167	57	9.1%	34.1%	146	10.2%	203
30-34	172	59	9.4%	34.3%	155	10.8%	214
35-39	254	91	14.5%	35.8%	212	14.8%	303
40-44	276	95	15.2%	34.4%	232	16.1%	327
45-49	276	99	15.8%	35.9%	225	15.7%	324
50-54	332	114	18.2%	34.3%	238	16.6%	352
55-59	247	68	10.8%	27.5%	121	8.4%	189
60-64	120	10	1.6%	8.3%	15	1.0%	25
65-69	23	-	-	-	1	0.1%	1
70-74	3	-	-	-	-	-	-
Total	1972	627	100.0%	31.8%	1437	100.0%	2064

Table 2. Number of workers of TEPCO and contractors who received examinations

Where examinations were done	Exposed group		Control group		Total
	Contractors	TEPCO	Contractors	TEPCO	
Head office	-	147	-	324	471
Fukushima Daini NPP	-	376	-	321	697
Kashiwazaki-Kariwa NPP	1	41	137	655	834
Toranomon Hospital	5	29	-	-	34
Kanagawa Cancer Center	10	-	-	-	10
Hitachi General Hospital	3	-	-	-	3
Hachinohe City Hospital	3	-	-	-	3
Oyama East Clinic	-	12	-	-	12
Total	22	605	137	1300	2064

Unit: workers

Table 5-a. Results of comprehensive judgment (percentage)

	Exposed group		Control group		Total (workers)
	Number of examined workers (workers)	Percentage (%)	Number of examined workers (workers)	Percentage (%)	
Those judged to be normal (level A1)	320	51.0%	907	63.1%	1227
Those for whom a secondary examination was judged unnecessary (level A2)	239	38.1%	392	27.3%	631
Those for whom a secondary examination was recommended (level B)	67	10.7%	136	9.5%	203
Those for whom a secondary examination was judged required (level C)	1	0.2%	2	0.1%	3
Total	627	100.0%	1437	100.0%	2064

Table 5-c3. Comprehensive judgment by age group for the exposed group
(number of workers)

Age group	Comprehensive judgment (workers)				Total (workers)
	Normal	Secondary examination unnecessary	Secondary examination recommended	Secondary examination required	
	(A1)	(A2)	(B)	(C)	
20-24	17	17	-	-	34
25-30	31	25	1	-	57
30-34	27	27	4	1	59
35-39	56	29	6	-	91
40-44	58	31	6	-	95
45-49	59	30	10	-	99
50-54	46	47	21	-	114
55-59	24	27	17	-	68
60-64	2	6	2	-	10
65-69	-	-	-	-	-
70-74	-	-	-	-	-
Total	320	239	67	1	627

Table 5-c5. Comprehensive judgment by age group for the control group
(number of workers)

Age group	Comprehensive judgment (workers)				Total (workers)
	Normal	Secondary examination unnecessary	Secondary examination recommended	Secondary examination required	
	(A1)	(A2)	(B)	(C)	
20-24	67	22	3	-	92
25-30	101	38	6	1	146
30-34	114	34	7	-	155
35-39	140	57	15	-	212
40-44	145	66	21	-	232
45-49	131	70	23	1	225
50-54	142	64	32	-	238
55-59	63	34	24	-	121
60-64	4	7	4	-	15
65-69	-	-	1	-	1
70-74	-	-	-	-	-
Total	907	392	136	2	1437

Table 5-c4. Comprehensive judgment by age group for the exposed group
(percentage)

Age group	Comprehensive judgment (%)				Total (%)	Number of workers in the exposed group who received examinations (workers)
	Normal	Secondary examination unnecessary	Secondary examination recommended	Secondary examination required		
	(A1)	(A2)	(B)	(C)		
20-24	50.0%	50.0%	-	-	100.0%	34
25-30	54.4%	43.9%	1.8%	-	100.0%	57
30-34	45.8%	45.8%	6.8%	1.7%	100.0%	59
35-39	61.5%	31.9%	6.6%	-	100.0%	91
40-44	61.1%	32.6%	6.3%	-	100.0%	95
45-49	59.6%	30.3%	10.1%	-	100.0%	99
50-54	40.4%	41.2%	18.4%	-	100.0%	114
55-59	35.3%	39.7%	25.0%	-	100.0%	68
60-64	20.0%	60.0%	20.0%	-	100.0%	10
65-69	-	-	-	-	-	-
70-74	-	-	-	-	-	-
Total	51.0%	38.1%	10.7%	0.2%	100.0%	627

Table 5-c6. Comprehensive judgment by age group for the control group
(percentage)

Age group	Comprehensive judgment (%)				Total (%)	Number of workers in the control group who received examinations (workers)
	Normal	Secondary examination unnecessary	Secondary examination recommended	Secondary examination required		
	(A1)	(A2)	(B)	(C)		
20-24	72.8%	23.9%	3.3%	-	100.0%	92
25-30	69.2%	26.0%	4.1%	0.7%	100.0%	146
30-34	73.5%	21.9%	4.5%	-	100.0%	155
35-39	66.0%	26.9%	7.1%	-	100.0%	212
40-44	62.5%	28.4%	9.1%	-	100.0%	232
45-49	58.2%	31.1%	10.2%	0.4%	100.0%	225
50-54	59.7%	26.9%	13.4%	-	100.0%	238
55-59	52.1%	28.1%	19.8%	-	100.0%	121
60-64	26.7%	46.7%	26.7%	-	100.0%	15
65-69	-	-	100.0%	-	100.0%	1
70-74	-	-	-	-	-	-
Total	63.1%	27.3%	9.5%	0.1%	100.0%	1437

Table 6-a. Smoking habits

	Exposed group		Control group		Total (workers)
	Number (workers)	Percentage (%)	Number (workers)	Percentage (%)	
Nonsmokers	210	33.5%	535	37.2%	745
Ex-smokers	179	28.5%	441	30.7%	620
Smokers	237	37.8%	461	32.1%	698
Unknown	1	0.2%	-	-	1
Total	627	100.0%	1437	100.0%	2064

Table 6-c4. Smoking habits as percentage of workers by age group for the exposed group

Age group	Smoking habits (%)				Total (%)	Number of workers in the exposed group who received examinations (workers)
	Nonsmokers	Ex-smokers	Smokers	Unknown		
20-24	38.2%	17.6%	44.1%	-	100.0%	34
25-30	54.4%	8.8%	36.8%	-	100.0%	57
30-34	39.0%	11.9%	49.2%	-	100.0%	59
35-39	31.9%	22.0%	46.2%	-	100.0%	91
40-44	31.6%	26.3%	42.1%	-	100.0%	95
45-49	28.3%	33.3%	37.4%	1.0%	100.0%	99
50-54	31.6%	38.6%	29.8%	-	100.0%	114
55-59	23.5%	48.5%	27.9%	-	100.0%	68
60-64	40.0%	60.0%	-	-	100.0%	10
65-69	-	-	-	-	-	-
70-74	-	-	-	-	-	-
Total	33.5%	28.5%	37.8%	0.2%	100.0%	627

Table 6-c6. Smoking habits as percentage of workers by age group for the control group

Age group	Smoking habits (%)				Total	Number of workers in the control group who received examinations (workers)
	Nonsmokers	Ex-smokers	Smokers	Unknown		
20-24	35.9%	14.1%	50.0%	-	100.0%	92
25-30	54.1%	13.7%	32.2%	-	100.0%	146
30-34	49.0%	20.0%	31.0%	-	100.0%	155
35-39	34.0%	27.4%	38.7%	-	100.0%	212
40-44	36.2%	27.6%	36.2%	-	100.0%	232
45-49	36.4%	37.3%	26.2%	-	100.0%	225
50-54	30.7%	44.1%	25.2%	-	100.0%	238
55-59	26.4%	47.1%	26.4%	-	100.0%	121
60-64	26.7%	53.3%	20.0%	-	100.0%	15
65-69	-	100.0%	-	-	100.0%	1
70-74	-	-	-	-	-	-
Total	37.2%	30.7%	32.1%	-	100.0%	1437

Table 7-a. Drinking habits (percentage)

	Exposed group		Control group		Total (workers)
	Number (workers)	Percentage (%)	Number (workers)	Percentage (%)	
Non-drinkers	54	8.6%	169	11.8%	223
Ex-drinkers	26	4.1%	46	3.2%	72
Drinkers	547	87.2%	1222	85.0%	1769
Total	627	100.0%	1437	100.0%	2064

Table 7-c4. Drinking habits as percentage of workers by age group for the exposed group

Age group	Drinking habits (%)				Number of workers in the exposed group who received
	Non-drinkers	Ex-drinkers	Drinkers	Total (%)	
20-24	11.8%	-	88.2%	100.0%	34
25-30	14.0%	-	86.0%	100.0%	57
30-34	16.9%	5.1%	78.0%	100.0%	59
35-39	7.7%	2.2%	90.1%	100.0%	91
40-44	6.3%	4.2%	89.5%	100.0%	95
45-49	7.1%	5.1%	87.9%	100.0%	99
50-54	4.4%	4.4%	91.2%	100.0%	114
55-59	8.8%	7.4%	83.8%	100.0%	68
60-64	10.0%	20.0%	70.0%	100.0%	10
65-69	-	-	-	-	-
70-74	-	-	-	-	-
Total	8.6%	4.1%	87.2%	100.0%	627

Table 7-c6. Drinking habits as percentage of workers by age group for the control group

Age group	Drinking habits (%)				Number of workers in the control group who received examinations
	Non-drinkers	Ex-drinkers	Drinkers	Total (%)	
20-24	12.0%	2.2%	85.9%	100.0%	92
25-30	20.5%	3.4%	76.0%	100.0%	146
30-34	12.9%	2.6%	84.5%	100.0%	155
35-39	11.3%	2.4%	86.3%	100.0%	212
40-44	8.6%	2.6%	88.8%	100.0%	232
45-49	7.6%	5.3%	87.1%	100.0%	225
50-54	9.2%	2.5%	88.2%	100.0%	238
55-59	19.0%	3.3%	77.7%	100.0%	121
60-64	13.3%	13.3%	73.3%	100.0%	15
65-69	-	-	100.0%	100.0%	1
70-74	-	-	-	-	-
Total	11.8%	3.2%	85.0%	100.0%	1437

Table 8-a. History of previous CT examinations (percentage)

	Exposed group		Control group		Total
	Number (person)	(%)	Number (person)	(%)	
With experience of CT	244	38.9%	497	34.6%	741
Without experience of CT	380	60.6%	940	65.4%	1320
Unknown	3	0.5%	-	-	3
Total	627	100.0%	1437	100.0%	2064

Table 8-c4. History of previous CT examination (percentage) by age group for the exposed group

Age group	Experience of CT scanning (%)			Total	Number of workers in the exposed group who received examinations
	With experience of CT scan.	Without experience of CT scan.	Unknown		
20-24	20.6%	79.4%	-	100.0%	34
25-30	28.1%	71.9%	-	100.0%	57
30-34	27.1%	72.9%	-	100.0%	59
35-39	26.4%	73.6%	-	100.0%	91
40-44	49.5%	50.5%	-	100.0%	95
45-49	48.5%	49.5%	2.0%	100.0%	99
50-54	43.0%	56.1%	0.9%	100.0%	114
55-59	47.1%	52.9%	-	100.0%	68
60-64	50.0%	50.0%	-	100.0%	10
65-69	-	-	-	-	-
70-74	-	-	-	-	-
Total	38.9%	60.6%	0.5%	100.0%	627

Table 9-a. Experience of ultrasonic examinations (percentage)

	Exposed group		Control group		Total
	Number (person)	(%)	Number (person)	(%)	
With experience of CT	357	56.9%	81	5.6%	438
Without experience of CT	270	43.1%	1356	94.4%	1626
Total	627	100.0%	1437	100.0%	2064

Table 9-c4. Percentage concerning experience of ultrasonic examinations by age group for the exposed group

Age group	Experience of ultrasonic examinations (%)			Total	Number of workers in the exposed group who received examinations
	With experience of CT scan.	Without experience of CT scan.	Total		
20-24	64.7%	35.3%	100.0%	34	
25-30	59.6%	40.4%	100.0%	57	
30-34	52.5%	47.5%	100.0%	59	
35-39	62.6%	37.4%	100.0%	91	
40-44	51.6%	48.4%	100.0%	95	
45-49	57.6%	42.4%	100.0%	99	
50-54	53.5%	46.5%	100.0%	114	
55-59	58.8%	41.2%	100.0%	68	
60-64	60.0%	40.0%	100.0%	10	
65-69	-	-	-	-	
70-74	-	-	-	-	
Total	56.9%	43.1%	100.0%	627	

Table 8-c6. History of previous CT examinations (percentage) by age group for the control group

Age group	Experience of CT scanning (%)			Total (%)	Number of workers in the control group who received examinations (workers)
	With	Without	Unknown		
20-24	15.2%	84.8%	-	100.0%	92
25-30	25.3%	74.7%	-	100.0%	146
30-34	34.8%	65.2%	-	100.0%	155
35-39	34.4%	65.6%	-	100.0%	212
40-44	35.8%	64.2%	-	100.0%	232
45-49	36.4%	63.6%	-	100.0%	225
50-54	41.2%	58.8%	-	100.0%	238
55-59	39.7%	60.3%	-	100.0%	121
60-64	46.7%	53.3%	-	100.0%	15
65-69	100.0%	-	-	100.0%	1
70-74	-	-	-	-	-
Total	34.6%	65.4%	-	100.0%	1437

Table 9-b. Experience of ultrasonic examinations of workers of TEPCO and contractors

Experience of ultrasonic examinations	Exposed group		Control group		Total
	Contractors	TEPCO	Contractors	TEPCO	
With	10	347	9	72	438
Without	12	258	128	1228	1626
Total	22	605	137	1300	2064

Unit: workers

Table 9-c6. Percentage having experienced ultrasonic examinations by age group for the control group

Age group	Experience of ultrasonic examinations (%)			Total (%)	Number of workers in the control group who received examinations (workers)
	With	Without	Total		
20-24	2.2%	97.8%	100.0%	92	
25-30	3.4%	96.6%	100.0%	146	
30-34	3.9%	96.1%	100.0%	155	
35-39	7.1%	92.9%	100.0%	212	
40-44	4.7%	95.3%	100.0%	232	
45-49	6.2%	93.8%	100.0%	225	
50-54	8.4%	91.6%	100.0%	238	
55-59	5.8%	94.2%	100.0%	121	
60-64	6.7%	93.3%	100.0%	15	
65-69	-	100.0%	100.0%	1	
70-74	-	-	-	-	
Total	5.6%	94.4%	100.0%	1437	

Table 10-a1. Number of workers who received examinations by reliability level of internal exposure evaluation and by thyroid equivalent dose

		Reliability level of internal exposure evaluation (workers)					Total (workers)
		A	B	C	D	#N/A	
Thyroid equivalent dose (mSv)	> 1000	21	5	5	3	-	34
	501 to 1000	21	15	30	2	-	68
	201 to 500	19	65	153	5	-	242
	101 to 200	4	79	151	16	1	251
	51 to 100	-	45	60	41	28	174
	≤ 50	-	29	46	167	1053	1295
Total		65	238	445	234	1082	2064

Table 10-c1-1. Number of workers who received examinations by comprehensive judgment seen by thyroid equivalent dose

		Comprehensive judgment (workers)				Total (workers)
		Normal examination unnecessary (A1)	Secondary examination recommend (A2)	Secondary examination required (B)	Secondary examination required (C)	
Thyroid equivalent dose (mSv)	> 1000	21	9	4	-	34
	501 to 1000	32	26	10	-	68
	201 to 500	119	94	29	-	242
	101 to 200	136	91	24	-	251
	51 to 100	95	58	20	1	174
	≤ 50	824	353	116	2	1295
Total		1227	631	203	3	2064

Table 10-a2. Percentage of workers who received examinations by reliability level of internal exposure evaluation and by thyroid equivalent dose

		Reliability level of internal exposure evaluation (%)					Total (%)
		A	B	C	D	#N/A	
Thyroid equivalent dose (mSv)	> 1000	61.8%	14.7%	14.7%	8.8%	-	100.0%
	501 to 1000	30.9%	22.1%	44.1%	2.9%	-	100.0%
	201 to 500	7.9%	26.9%	63.2%	2.1%	-	100.0%
	101 to 200	1.6%	31.5%	60.2%	6.4%	0.4%	100.0%
	51 to 100	-	25.9%	34.5%	23.6%	16.1%	100.0%
	≤ 50	-	2.2%	3.6%	12.9%	81.3%	100.0%
Total		3.1%	11.5%	21.6%	11.3%	52.4%	100.0%

Table 10-c2-1. Percentage of workers who received examinations by comprehensive judgment seen by thyroid equivalent dose

		Comprehensive judgment (%)				Total (%)	Number of workers who received examinations (workers)
		Normal examination unnecessary (A1)	Secondary examination recommend (A2)	Secondary examination required (B)	Secondary examination required (C)		
Thyroid equivalent dose (mSv)	> 1000	61.8%	26.5%	11.8%	-	100.0%	34
	501 to 1000	47.1%	38.2%	14.7%	-	100.0%	68
	201 to 500	49.2%	38.8%	12.0%	-	100.0%	242
	101 to 200	54.2%	36.3%	9.6%	-	100.0%	251
	51 to 100	54.6%	33.3%	11.5%	0.6%	100.0%	174
	≤ 50	63.6%	27.3%	9.0%	0.2%	100.0%	1295
Total		59.4%	30.6%	9.8%	0.1%	100.0%	2064

Table 10-d4. Number of workers comprehensively judged as level A2 seen by thyroid equivalent dose and age group

Secondary examination unnecessary (A2)	Age group				Total
	20-34	35-44	45-54	55 and over	
Thyroid > 1000	2	4	2	1	9
equivalent dose 501 to 1000	12	7	6	1	26
(mSv) 201 to 500	24	16	35	19	94
101 to 200	25	28	28	10	91
51 to 100	15	15	21	7	58
≤ 50	85	113	119	36	353
Total	163	183	211	74	631

Table 10-d6. Number of workers comprehensively judged as level B seen by thyroid equivalent dose and age group

Secondary examination recommended (B)	Age group				Total
	20-34	35-44	45-54	55 and over	
Thyroid > 1000	-	1	2	1	4
equivalent dose 501 to 1000	-	2	6	2	10
(mSv) 201 to 500	3	6	10	10	29
101 to 200	1	4	14	5	24
51 to 100	2	3	9	6	20
≤ 50	15	32	45	24	116
Total	21	48	86	48	203

Table 10-d8. Number of workers comprehensively judged as level C seen by thyroid equivalent dose and age group

Secondary examination required (C)	Age group				Total
	20-34	35-44	45-54	55 and over	
Thyroid > 1000	-	-	-	-	-
equivalent dose 501 to 1000	-	-	-	-	-
(mSv) 201 to 500	-	-	-	-	-
101 to 200	-	-	-	-	-
51 to 100	1	-	-	-	1
≤ 50	1	-	1	-	2
Total	2	-	1	-	3

Table 10-d5. Percentage of workers comprehensively judged as level A2 seen by thyroid equivalent dose and age group

Secondary examination unnecessary (A2)	Age group				Total
	20-34	35-44	45-54	55 and over	
Thyroid > 1000	18.2%	30.8%	25.0%	50.0%	26.5%
equivalent dose 501 to 1000	48.0%	50.0%	26.1%	16.7%	38.2%
(mSv) 201 to 500	54.5%	24.2%	39.3%	44.2%	38.8%
101 to 200	40.3%	34.6%	35.0%	35.7%	36.3%
51 to 100	55.6%	27.3%	31.3%	28.0%	33.3%
≤ 50	22.7%	28.2%	29.1%	32.4%	27.3%
Total	30.0%	29.0%	31.2%	34.4%	30.6%

Table 10-d7. Percentage of workers comprehensively judged as level B seen by thyroid equivalent dose and age group

Secondary examination recommended (B)	Age group				Total
	20-34	35-44	45-54	55 and over	
Thyroid > 1000	-	7.7%	25.0%	50.0%	11.8%
equivalent dose 501 to 1000	-	14.3%	26.1%	33.3%	14.7%
(mSv) 201 to 500	6.8%	9.1%	11.2%	23.3%	12.0%
101 to 200	1.6%	4.9%	17.5%	17.9%	9.6%
51 to 100	7.4%	5.5%	13.4%	24.0%	11.5%
≤ 50	4.0%	8.0%	11.0%	21.6%	9.0%
Total	3.9%	7.6%	12.7%	22.3%	9.8%

Table 10-d9. Percentage of workers comprehensively judged as level C seen by thyroid equivalent dose and age group

Secondary examination required (C)	Age group				Total
	20-34	35-44	45-54	55 and over	
Thyroid > 1000	-	-	-	-	-
equivalent dose 501 to 1000	-	-	-	-	-
(mSv) 201 to 500	-	-	-	-	-
101 to 200	-	-	-	-	-
51 to 100	3.7%	-	-	-	0.6%
≤ 50	0.3%	-	0.2%	-	0.2%
Total	0.4%	-	0.1%	-	0.1%

Table 10-g10. Number of workers without experience of ultrasonic examinations seen by thyroid equivalent dose and age group

		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	2	4	2	-	8
	501 to 1000	9	6	16	4	35
	201 to 500	17	30	37	19	103
	101 to 200	32	37	41	12	122
	51 to 100	20	47	52	23	142
	≤ 50	363	374	376	103	1216
	Total	443	498	524	161	1626

Table 10-g15. Number of workers without experience of ultrasonic examinations comprehensively judged as level B seen by thyroid equivalent dose and age group

Secondary examination recommended (B)		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	1	4	1	6
	201 to 500	1	4	3	3	11
	101 to 200	-	1	4	3	8
	51 to 100	2	2	7	6	17
	≤ 50	14	29	44	23	110
	Total	17	37	62	36	152

Table 10-g18. Percentage of workers without experience of ultrasonic examinations comprehensively judged as level C seen by thyroid equivalent dose and age group

Secondary examination required (C)		Without experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55-	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	-	-	-	-
	201 to 500	-	-	-	-	-
	101 to 200	-	-	-	-	-
	51 to 100	5.0%	-	-	-	0.7%
	≤ 50	-	-	-	-	-
	Total	0.2%	-	-	-	0.1%

Table 10-g13. Number of workers without experience of ultrasonic examinations comprehensively judged as level A2 seen by thyroid equivalent dose and age group

Secondary examination unnecessary (A2)		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	1	-	1
	501 to 1000	5	4	5	1	15
	201 to 500	11	5	13	8	37
	101 to 200	15	15	16	4	50
	51 to 100	9	12	14	6	41
	≤ 50	82	106	108	32	328
	Total	122	142	157	51	472

Table 10-g16. Percentage of workers without experience of ultrasonic examinations comprehensively judged as level B seen by thyroid equivalent dose and age group

Secondary examination recommended (B)		Without experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	16.7%	25.0%	25.0%	17.1%
	201 to 500	5.9%	13.3%	8.1%	15.8%	10.7%
	101 to 200	-	2.7%	9.8%	25.0%	6.6%
	51 to 100	-	4.3%	13.5%	-	12.0%
	≤ 50	3.9%	7.8%	11.7%	22.3%	9.0%
	Total	3.8%	7.4%	11.8%	22.4%	9.3%

Table 10-g14. Percentage of workers without experience of ultrasonic examinations comprehensively judged as level A2 seen by thyroid equivalent dose and age group

Secondary examination unnecessary (A2)		Without experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	50.0%	-	12.5%
	501 to 1000	55.6%	66.7%	31.3%	25.0%	42.9%
	201 to 500	64.7%	16.7%	35.1%	42.1%	35.9%
	101 to 200	46.9%	40.5%	39.0%	33.3%	41.0%
	51 to 100	45.0%	25.5%	26.9%	26.1%	28.9%
	≤ 50	22.6%	28.3%	28.7%	31.1%	27.0%
	Total	27.5%	28.5%	30.0%	31.7%	29.0%

Table 10-g17. Number of workers without experience of ultrasonic examinations comprehensively judged as level C seen by thyroid equivalent dose and age group

Secondary examination required (C)		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	-	-	-	-
	201 to 500	-	-	-	-	-
	101 to 200	-	-	-	-	-
	51 to 100	1	-	-	-	1
	≤ 50	-	-	-	-	-
	Total	1	-	-	-	1

Table 10-h1. Number of workers with experience of ultrasonic examinations seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

	Secondary examination	With experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	9	8	5	2	24
	501 to 1000	14	8	7	2	31
	201 to 500	27	36	51	24	138
	101 to 200	30	42	38	15	125
	51 to 100	6	8	13	1	28
	≤ 50	10	20	29	5	64
	Total	96	122	143	49	410

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h6. Number of workers with experience of ultrasonic examinations comprehensively judged as level B seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination recommended (B)		With experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	1	2	1	4
	501 to 1000	-	1	2	1	4
	201 to 500	2	2	7	7	18
	101 to 200	1	3	9	2	15
	51 to 100	-	1	1	-	2
	≤ 50	1	3	1	1	6
	Total	4	11	22	12	49

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h9. Percentage of workers with experience of ultrasonic examinations comprehensively judged as level C seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination required (C)		With experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	-	-	-	-
	201 to 500	-	-	-	-	-
	101 to 200	-	-	-	-	-
	51 to 100	-	-	-	-	-
	≤ 50	10.0%	-	3.4%	-	3.1%
	Total	1.0%	-	0.7%	-	0.5%

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h4. Number of workers with experience of ultrasonic examinations comprehensively judged as level A2 seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination unnecessary (A2)		With experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	2	3	1	1	7
	501 to 1000	7	3	1	-	11
	201 to 500	13	11	22	11	57
	101 to 200	10	12	12	6	40
	51 to 100	5	3	6	-	14
	≤ 50	3	5	11	3	22
	Total	40	37	53	21	151

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h7. Percentage of workers with experience of ultrasonic examinations comprehensively judged as level B seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination recommended (B)		With experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	12.5%	40.0%	50.0%	16.7%
	501 to 1000	-	12.5%	28.6%	50.0%	12.9%
	201 to 500	7.4%	5.6%	13.7%	29.2%	13.0%
	101 to 200	3.3%	7.1%	23.7%	13.3%	12.0%
	51 to 100	-	12.5%	7.7%	-	7.1%
	≤ 50	10.0%	15.0%	3.4%	20.0%	9.4%
	Total	4.2%	9.0%	15.4%	24.5%	12.0%

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h5. Percentage of workers with experience of ultrasonic examinations comprehensively judged as level A2 seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination unnecessary (A2)		With experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	22.2%	37.5%	20.0%	50.0%	29.2%
	501 to 1000	50.0%	37.5%	14.3%	-	35.5%
	201 to 500	48.1%	30.6%	43.1%	45.8%	41.3%
	101 to 200	33.3%	28.6%	31.6%	40.0%	32.0%
	51 to 100	83.3%	37.5%	46.2%	-	50.0%
	≤ 50	30.0%	25.0%	37.9%	60.0%	34.4%
	Total	41.7%	30.3%	37.1%	42.9%	36.8%

*Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h8. Number of workers with experience of ultrasonic examinations comprehensively judged as level C seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination required (C)		With experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	-	-	-	-
	201 to 500	-	-	-	-	-
	101 to 200	-	-	-	-	-
	51 to 100	-	-	-	-	-
	≤ 50	1	-	1	-	2
	Total	1	-	1	-	2

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h10. Number of workers without experience of ultrasonic examinations seen by thyroid equivalent dose and age (excluding those whose internal dose evaluation was classified into reliability level D)

		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	1	4	2	-	7
	501 to 1000	9	6	16	4	35
	201 to 500	16	28	37	18	99
	101 to 200	31	35	35	9	110
	51 to 100	17	32	41	15	105
	≤ 50	318	332	325	89	1064
	Total	392	437	456	135	1420

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h15. Number of workers without experience of ultrasonic examinations comprehensively judged as level B seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination recommended (B)		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	1	4	1	6
	201 to 500	1	3	3	3	10
	101 to 200	-	1	4	3	8
	51 to 100	2	2	6	3	13
	≤ 50	10	24	40	19	93
	Total	13	31	57	29	130

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h18. Percentage of workers without experience of ultrasonic examinations comprehensively judged as level C seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination required (C)		Without experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	-	-	-	-
	201 to 500	-	-	-	-	-
	101 to 200	-	-	-	-	-
	51 to 100	5.9%	-	-	-	1.0%
	≤ 50	-	-	-	-	-
	Total	0.3%	-	-	-	0.1%

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h13. Number of workers without experience of ultrasonic examinations judged as level A2 seen by thyroid equivalent dose and age (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination unnecessary (A2)		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	1	-	1
	501 to 1000	5	4	5	1	15
	201 to 500	10	5	13	8	36
	101 to 200	15	15	16	4	50
	51 to 100	7	8	12	5	32
	≤ 50	74	94	94	30	292
	Total	111	126	141	48	426

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h16. Percentage of workers without experience of ultrasonic examinations comprehensively judged as level B seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination recommended (B)		Without experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	16.7%	25.0%	25.0%	17.1%
	201 to 500	6.3%	10.7%	8.1%	16.7%	10.1%
	101 to 200	-	2.9%	11.4%	33.3%	7.3%
	51 to 100	-	6.3%	14.6%	-	12.4%
	≤ 50	3.1%	7.2%	12.3%	21.3%	8.7%
	Total	3.3%	7.1%	12.5%	21.5%	9.2%

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h14. Percentage of workers without experience of ultrasonic examinations judged as level A2 seen by thyroid equivalent dose and age (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination unnecessary (A2)		Without experience of ultrasonic examinations (%)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	50.0%	-	14.3%
	501 to 1000	55.6%	66.7%	31.3%	25.0%	42.9%
	201 to 500	62.5%	17.9%	35.1%	44.4%	36.4%
	101 to 200	48.4%	42.9%	45.7%	44.4%	45.5%
	51 to 100	41.2%	25.0%	29.3%	33.3%	30.5%
	≤ 50	23.3%	28.3%	28.9%	33.7%	27.4%
	Total	28.3%	28.8%	30.9%	35.6%	30.0%

* Counted without those whose internal dose evaluation was classified into reliability level D

Table 10-h17. Number of workers without experience of ultrasonic examinations comprehensively judged as level C seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level D)

Secondary examination required (C)		Without experience of ultrasonic examinations (workers)				
		Age group				Total
		20-34	35-44	45-54	55 and over	
Thyroid equivalent dose (mSv)	> 1000	-	-	-	-	-
	501 to 1000	-	-	-	-	-
	201 to 500	-	-	-	-	-
	101 to 200	-	-	-	-	-
	51 to 100	1	-	-	-	1
	≤ 50	-	-	-	-	-
	Total	1	-	-	-	1

* Counted without those whose internal dose evaluation was classified into reliability level D

Supplement-Table10-h19. Number of examinees without the experience of ultrasonic examinations seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	1	4	2	-	7
equivalente	501 to 1000	7	4	8	2	21
nt dose	201 to 500	9	6	12	8	35
(mSv)	101 to 200	16	9	15	2	42
	50 to 100	8	17	26	13	64
	< 50	311	314	308	87	1020
	Total	352	354	371	112	1189

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h22. Number of workers without the experience of ultrasonic examinations of comprehensive judgment as level A2 seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Secondary examination unnecessary (A2)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	-	-	1	-	1
equivalente	501 to 1000	4	3	3	1	11
nt dose	201 to 500	4	-	3	5	12
(mSv)	101 to 200	7	4	6	1	18
	50 to 100	3	3	7	3	16
	< 50	70	90	83	28	271
	Total	88	100	103	38	329

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h25. Percentage of workers without the experience of ultrasonic examinations of comprehensive judgment as level B seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Secondary examination recommended (B)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	-	-	-	-	-
equivalente	501 to 1000	-	25.0%	25.0%	-	14.3%
nt dose	201 to 500	-	-	8.3%	-	2.9%
(mSv)	101 to 200	-	-	6.7%	50.0%	4.8%
	50 to 100	-	5.9%	23.1%	23.1%	15.6%
	< 50	3.2%	7.3%	12.7%	21.8%	8.9%
	Total	2.8%	7.1%	13.2%	20.5%	9.0%

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h20. Number of workers without the experience of ultrasonic examinations of comprehensive judgment as level A1 seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Normal (A1)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	1	4	1	-	6
equivalente	501 to 1000	3	-	3	1	7
nt dose	201 to 500	5	6	8	3	22
(mSv)	101 to 200	9	5	8	-	22
	51 to 100	4	13	13	7	37
	< 50	231	201	186	40	658
	Total	253	229	219	51	752

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h23. Percentage of workers without the experience of ultrasonic examinations of comprehensive judgment as level A2 seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Secondary examination unnecessary (A2)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	-	-	50.0%	-	14.3%
equivalente	501 to 1000	57.1%	75.0%	37.5%	50.0%	52.4%
nt dose	201 to 500	44.4%	-	25.0%	62.5%	34.3%
(mSv)	101 to 200	43.8%	44.4%	40.0%	50.0%	42.9%
	51 to 100	37.5%	17.6%	26.9%	23.1%	25.0%
	< 50	22.5%	28.7%	26.9%	32.2%	26.6%
	Total	25.0%	28.2%	27.8%	33.9%	27.7%

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h26. Number of workers without the experience of ultrasonic examinations of comprehensive judgment as level C seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Secondary examination required (C)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	-	-	-	-	-
equivalente	501 to 1000	-	-	-	-	-
nt dose	201 to 500	-	-	-	-	-
(mSv)	101 to 200	-	-	-	-	-
	51 to 100	1	-	-	-	1
	< 50	-	-	-	-	-
	Total	1	-	-	-	1

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h21. Percentage of workers without the experience of ultrasonic examinations of comprehensive judgment as level A1 seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Normal (A1)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	100.0%	100.0%	50.0%	-	85.7%
equivalente	501 to 1000	42.9%	-	37.5%	50.0%	33.3%
nt dose	201 to 500	55.6%	100.0%	66.7%	37.5%	62.9%
(mSv)	101 to 200	56.3%	55.6%	53.3%	-	52.4%
	51 to 100	50.0%	76.5%	50.0%	53.8%	57.8%
	< 50	74.3%	64.0%	60.4%	46.0%	64.5%
	Total	71.9%	64.7%	59.0%	45.5%	63.2%

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h24. Number of workers without the experience of ultrasonic examinations of comprehensive judgment as level B seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Secondary examination recommended (B)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	-	-	-	-	-
equivalente	501 to 1000	-	1	2	-	3
nt dose	201 to 500	-	-	1	-	1
(mSv)	101 to 200	-	-	1	1	2
	51 to 100	-	1	6	3	10
	< 50	10	23	39	19	91
	Total	10	25	49	23	107

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 10-h27. Percentage of workers without the experience of ultrasonic examinations of comprehensive judgment as level C seen by thyroid equivalent dose and age group (excluding those whose internal dose evaluation was classified into reliability level C or D)

Secondary examination required (C)		Without the experience of ultrasonic examinations				Total
		Age group				
		20-34	35-44	45-54	55 and over	
Thyroid	> 1000	-	-	-	-	-
equivalente	501 to 1000	-	-	-	-	-
nt dose	201 to 500	-	-	-	-	-
(mSv)	101 to 200	-	-	-	-	-
	51 to 100	12.5%	-	-	-	1.6%
	< 50	-	-	-	-	-
	Total	0.3%	-	-	-	0.1%

* Without those whose internal dose evaluation was classified into reliability level C or D

Supplement-Table 12-1. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose (number of workers)

		Presence/absence and size of cysts							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all examinees)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	22	3	4	5	-	-	-	34	1.7	4.7	38.3
	501-1000	39	7	15	5	2	-	-	68	1.9	4.5	40.4
	201-500	138	40	35	24	5	-	-	242	2.0	4.5	44.3
	101 to 200	160	32	39	18	2	-	-	251	1.5	4.2	41.9
	51 to 100	111	15	25	19	3	-	1	174	1.8	5.1	44.4
	≤ 50	919	115	129	108	17	7	-	1295	1.4	4.8	40.9
	Total	1389	212	247	179	29	7	1	2064	1.5	4.7	41.7
									unit: workers		unit: mm	unit: years

Supplement-Table 12-1-2. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose (number of workers): Aged 35-44

age 35-44		Presence/absence and size of cysts							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 35 to 44)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	8	1	1	3	-	-	-	13	2.0	5.2	39.5
	501 to 1000	6	2	5	1	-	-	-	14	2.1	3.7	38.6
	201 to 500	50	8	1	7	-	-	-	66	1.1	4.5	39.3
	101 to 200	58	10	8	5	-	-	-	81	1.2	4.1	40.0
	51 to 100	40	3	5	4	3	-	-	55	1.6	5.9	39.8
	≤ 50	288	38	35	29	10	1	-	401	1.4	4.9	39.8
	Total	450	62	55	49	13	1	-	630	1.4	4.8	39.8
									unit: workers		unit: mm	unit: years

Supplement-Table 12-1-4. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose (number of workers): Aged 55 and over

age 55 and over		Presence/absence and size of cysts							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 55 and over)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	1	1	-	-	-	-	-	2	1.3	2.5	55.5
	501 to 1000	4	-	2	-	-	-	-	6	1.3	3.8	58.0
	201 to 500	17	8	13	3	2	-	-	43	2.7	4.4	56.7
	101 to 200	13	3	6	5	1	-	-	28	2.8	5.1	57.2
	51 to 100	16	2	4	3	-	-	-	25	1.5	4.1	57.4
	≤ 50	65	15	16	14	1	-	-	111	1.8	4.4	57.1
	Total	116	29	41	25	4	-	-	215	2.0	4.4	57.1
									unit: workers		unit: mm	unit: years

Supplement-Table 12-2-1. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers): Aged 20-34

age 20-34		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged 20 to 34)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	11	-	-	-	-	-	-	11	0.0	-	26.0
	501 to 1000	23	1	1	-	-	-	-	25	0.3	3.3	28.3
	201 to 500	39	1	2	2	-	-	-	44	0.6	5.4	28.5
	101 to 200	57	2	2	1	-	-	-	62	0.3	4.0	27.9
	51 to 100	23	-	1	2	1	-	-	27	1.1	7.4	28.7
	≤ 50	355	1	2	9	5	-	2	374	0.7	13.2	27.8
	Total	508	5	8	14	6	-	2	543	0.6	9.5	27.9
									unit: workers		unit: mm	unit: years

Supplement-Table 12-1-1. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose (number of workers): Aged 20-34

age20-34		Presence/absence and size of cysts							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 20 to 34)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	9	-	1	1	-	-	-	11	1.0	5.3	26.0
	501 to 1000	15	3	6	1	-	-	-	25	1.4	3.6	28.3
	201-500	19	10	8	6	1	-	-	44	2.6	4.6	28.5
	101-200	41	7	11	3	-	-	-	62	1.4	4.0	27.9
	51-100	12	4	8	3	-	-	-	27	2.3	4.1	28.7
	≤ 50	280	27	35	29	2	1	-	374	1.2	4.8	27.8
	Total	376	51	69	43	3	1	-	543	1.4	4.5	27.9
									unit: workers		unit: mm	unit: years

Supplement-Table 12-1-3. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose (number of workers): Aged 45-54

age 45-54		Presence/absence and size of cysts							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 45 to 54)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	4	1	2	1	-	-	-	8	2.2	4.3	49.0
	501 to 1000	14	2	2	3	2	-	-	23	2.5	6.4	50.1
	201 to 500	52	14	13	8	2	-	-	89	1.9	4.6	49.9
	101 to 200	48	12	14	5	1	-	-	80	1.6	3.9	49.4
	51 to 100	43	6	8	9	-	-	1	67	2.0	5.6	49.7
	≤ 50	286	35	43	36	4	5	-	409	1.5	5.0	49.6
	Total	447	70	82	62	9	5	1	676	1.6	4.9	49.6
									unit: workers		unit: mm	unit: years

Supplement-Table 12-2. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers)

		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all examinees)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	29	1	2	2	-	-	-	34	0.7	4.5	38.3
	501 to 1000	55	1	2	8	-	2	-	68	1.4	7.6	40.4
	201 to 500	200	7	9	14	5	2	2	242	1.6	9.1	44.3
	101 to 200	210	7	10	16	5	1	-	251	1.2	7.5	41.9
	51 to 100	141	4	10	9	8	-	2	174	1.5	7.9	44.4
	≤ 50	1117	19	45	78	21	6	4	1295	1.1	8.3	40.9
	Total	1752	39	78	127	39	11	8	2064	1.2	8.2	41.7
									unit: workers		unit: mm	unit: years

Supplement-Table 12-2-2. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers): Aged 35-44

age 35-44		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged 35 to 44)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid equivalent dose (mSv)	> 1000	11	1	1	-	-	-	-	13	0.5	3.3	39.5
	501 to 1000	11	-	1	1	-	1	-	14	2.1	10.0	38.6
	201 to 500	59	2	-	2	1	-	2	66	1.0	9.8	39.3
	101-200	73	1	3	3	1	-	-	81	0.6	6.3	40.0
	51 to 100	47	2	3	2	-	-	1	55	1.0	6.7	39.8
	≤ 50	347	9	13	20	8	2	2	401	1.0	7.2	39.8
	Total	548	15	21	28	10	3	5	630	0.9	7.3	39.8
									unit: workers		unit: mm	unit: years

Supplement-Table 12-2-3. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of person): Aged 45-54

age 45-54	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged between 45 and 54)
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm				
Thyroid equivalent dose (mSv)	>1000	6	-	1	1	-	-	-	8	1.4	5.5	49.0
	501 to 1000	17	-	-	5	-	1	-	23	2.2	8.3	50.1
	201 to 500	72	3	5	6	2	1	-	89	1.3	6.7	49.9
	101 to 200	60	2	4	10	1	1	2	80	2.2	9.0	49.4
	51 to 100	52	2	5	2	5	-	1	67	1.8	8.1	49.7
	≤50	336	6	24	32	6	3	1	409	1.3	7.4	49.6
	Total	543	13	39	56	14	6	2	676	1.5	7.6	49.6
									unit: person		unit: mm	unit: age

Supplement-Table 12-3. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose (percentage)

	Presence/absence and size of cysts								Total
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm	
Thyroid equivalent dose (mSv)	>1000	64.7%	8.8%	11.8%	14.7%	-	-	-	100.0%
	501 to 1000	57.4%	10.3%	22.1%	7.4%	2.9%	-	-	100.0%
	201 to 500	57.0%	16.5%	14.5%	9.9%	2.1%	-	-	100.0%
	101 to 200	63.7%	12.7%	15.5%	7.2%	0.8%	-	-	100.0%
	51 to 100	63.8%	8.6%	14.4%	10.9%	1.7%	0.6%	-	100.0%
	≤50	71.0%	8.9%	10.0%	8.3%	1.3%	0.5%	-	100.0%
	Total	67.3%	10.3%	12.0%	8.7%	1.4%	0.3%	0.0%	100.0%

Supplement-Table 12-9. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers)

* Excluding those whose internal dose evaluation was classified into reliability level C or D

* Excluding those classified into reliability level C or D	Presence/absence and size of cysts								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all subjects)
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm				
Thyroid equivalent dose (mSv)	>1000	6	-	-	1	-	-	-	7	1.1	7.7	42.1
	501 to 1000	7	4	7	1	2	-	-	21	3.1	4.6	41.7
	201 to 500	23	3	6	2	1	-	-	35	1.6	4.7	43.5
	101 to 200	24	6	11	1	-	-	-	42	1.6	3.7	39.6
	51 to 100	42	3	7	9	2	-	1	64	2.2	6.4	46.4
	≤50	720	92	107	80	16	5	-	1020	1.4	4.8	40.5
	Total	822	108	138	94	21	5	1	1189	1.5	4.9	40.9
									unit: workers		unit: mm	unit: years

Supplement-Table 12-9-2. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 35-44

* Excluding those whose internal dose evaluation was classified into reliability level C or D

* Excluding those classified into reliability level C or D Without the experience of ultrasonic	Presence/absence and size of cysts								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 35 to 44)
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm				
Thyroid equivalent dose (mSv)	>1000	4	-	-	-	-	-	-	4	0.0	-	40.5
	501 to 1000	-	2	2	-	-	-	-	4	2.9	2.9	39.5
	201 to 500	6	-	-	-	-	-	-	6	0.0	-	38.7
	101 to 200	5	2	2	-	-	-	-	9	1.5	3.4	40.4
	51 to 100	14	-	-	1	2	-	-	17	1.6	9.3	39.5
	≤50	222	30	29	22	10	1	-	314	1.5	5.1	39.8
	Total	251	34	33	23	12	1	-	354	1.5	5.0	39.8
									unit: workers		unit: mm	unit: years

Supplement-Table 12-2-4. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of person): Aged 55 or over

age 55 or over	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged 55 or over)
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm				
Thyroid equivalent dose (mSv)	>1000	1	-	-	1	-	-	-	2	2.6	5.2	55.5
	501 to 1000	4	-	-	2	-	-	-	6	2.0	6.0	58.0
	201 to 500	30	1	2	4	2	1	3	43	4.0	13.2	56.7
	101 to 200	20	2	1	2	3	-	-	28	2.1	7.5	57.2
	51 to 100	19	-	1	3	1	2	-	25	2.3	9.4	57.4
	≤50	79	3	6	17	2	1	2	111	2.6	9.2	57.1
	Total	153	6	10	29	9	2	1	215	2.8	9.7	57.1
									unit: person		unit: mm	unit: age

Supplement-Table 12-4. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (percentage)

	Presence/absence and size of nodules (or nodules within cysts)								Total
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm	
Thyroid equivalent dose (mSv)	>1000	85.3%	2.9%	5.9%	5.9%	-	-	-	100.0%
	501 to 1000	80.9%	1.5%	2.9%	11.8%	-	2.9%	-	100.0%
	201 to 500	82.6%	2.9%	3.7%	5.8%	2.1%	0.8%	1.2%	100.0%
	101 to 200	83.7%	2.8%	4.0%	6.4%	2.0%	0.4%	0.8%	100.0%
	51 to 100	81.0%	2.3%	5.7%	5.2%	4.6%	-	1.1%	100.0%
	≤50	86.3%	1.5%	3.5%	6.0%	1.6%	0.5%	0.3%	100.0%
	Total	84.9%	1.9%	3.8%	6.2%	1.9%	0.5%	0.4%	100.0%

Supplement-Table 12-9-1. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 20-34

* Excluding those classified into reliability level C or D Without the experience of ultrasonic

* Excluding those classified into reliability level C or D Without the experience of ultrasonic	Presence/absence and size of cysts								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 20 to 34)
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm				
Thyroid equivalent dose (mSv)	>1000	1	-	-	-	-	-	-	1	0.0	-	30.0
	501 to 1000	3	1	2	1	-	-	-	7	2.2	3.9	28.0
	201 to 500	6	1	2	-	-	-	-	9	1.3	4.0	28.6
	101 to 200	9	2	4	1	-	-	-	16	1.8	4.1	27.2
	51 to 100	5	-	3	-	-	-	-	8	1.5	4.1	31.1
	≤50	234	21	29	24	2	1	-	311	1.2	4.9	27.7
	Total	258	25	40	26	2	1	-	352	1.3	4.8	27.7
									unit: workers		unit: mm	unit: years

Supplement-Table 12-9-3. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 45-54

* Excluding those whose internal dose evaluation was classified into reliability level C or D

* Excluding those classified into reliability level C or D Without the experience of ultrasonic	Presence/absence and size of cysts								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom cysts were detected)	Average age by dose (all those aged 45 to 54)
	None	<3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	>25.1mm				
Thyroid equivalent dose (mSv)	>1000	1	-	-	1	-	-	-	2	3.9	7.7	51.5
	501 to 1000	3	1	2	-	2	-	-	8	4.3	6.9	50.6
	201 to 500	8	1	1	2	-	-	-	12	1.7	5.0	48.6
	101 to 200	10	2	3	-	-	-	-	15	1.0	3.1	50.0
	51 to 100	14	3	2	6	-	-	1	26	3.0	6.6	50.4
	≤50	216	28	35	23	3	3	-	308	1.4	4.8	49.6
	Total	252	35	43	32	5	3	1	371	1.6	5.0	49.7
									unit: workers		unit: mm	unit: years

Supplement-Table 12-9-4. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 55 and over

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of cysts								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those aged 55 and over)	Average age by dose (all those aged 55 and over)
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm				
Without the experience of ultrasonic:												
Thyroid > 1000	-	-	-	-	-	-	-	-	-	-	-	-
equivalen 501 to 1000	1	-	1	-	-	-	-	-	2	1.6	3.2	58.0
t dose 201 to 500 (mSv)	3	1	3	-	1	-	-	-	8	3.0	4.9	56.3
101 to 200	-	-	2	-	-	-	-	-	2	4.4	4.4	57.0
51 to 100	9	-	2	2	-	-	-	-	13	1.6	5.3	56.8
≤ 50	48	13	14	11	1	-	-	-	87	1.9	4.3	57.1
Total	61	14	22	13	2	-	-	-	112	2.0	4.4	57.0

Supplement-Table 12-10-1. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 20-34

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were detected)	Average age by dose (all those aged 20 to 34)
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm				
Without the experience of ultrasonic:												
Thyroid > 1000	1	-	-	-	-	-	-	-	1	0.0	-	30.0
equivalen 501 to 1000	7	-	-	-	-	-	-	-	7	0.0	-	28.0
t dose 201 to 500 (mSv)	8	1	-	-	-	-	-	-	9	0.3	2.9	28.6
101 to 200	16	-	-	-	-	-	-	-	16	0.0	-	27.2
51 to 100	7	-	-	1	-	-	-	-	8	1.0	7.7	31.1
≤ 50	299	1	1	6	3	-	-	-	311	0.4	11.2	27.7
Total	338	2	1	7	3	-	-	-	352	0.4	10.4	27.7

Supplement-Table 12-10-3. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 45-54

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were detected)	Average age by dose (all those aged 45 to 54)
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm				
Without the experience of ultrasonic:												
Thyroid > 1000	2	-	-	-	-	-	-	-	2	0.0	-	51.5
equivalen 501 to 1000	6	-	-	1	-	-	1	-	8	3.1	12.5	50.6
t dose 201 to 500 (mSv)	11	-	-	1	-	-	-	-	12	0.6	7.1	48.6
101 to 200	11	-	3	1	-	-	-	-	15	1.4	5.2	50.0
51 to 100	20	-	1	2	2	-	1	-	26	2.3	10.0	50.4
≤ 50	253	4	15	27	6	2	1	-	308	1.3	7.0	49.6
Total	303	4	19	32	8	3	2	-	371	1.3	7.3	49.7

Supplement-Table 12-11. Presence/absence and maximum diameter of cysts seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (percentage)

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of cysts								Total
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm	
Thyroid > 1000	85.7%	-	-	14.3%	-	-	-	-	100.0%
equivalen 501 to 1000	33.3%	19.0%	33.3%	4.8%	9.5%	-	-	-	100.0%
t dose 201 to 500 (mSv)	65.7%	8.6%	17.1%	5.7%	2.9%	-	-	-	100.0%
101 to 200	57.1%	14.3%	26.2%	2.4%	-	-	-	-	100.0%
51 to 100	65.6%	4.7%	10.9%	14.1%	3.1%	-	1.6%	-	100.0%
≤ 50	70.6%	9.0%	10.5%	7.8%	1.6%	0.5%	-	-	100.0%
Total	69.1%	9.1%	11.6%	7.9%	1.8%	0.4%	0.1%	-	100.0%

Supplement-Table 12-10. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers)

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were detected)	Average age by dose (all examinees)
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm				
Without the experience of ultrasonic:												
Thyroid > 1000	7	-	-	-	-	-	-	-	7	0.0	-	42.1
equivalen 501 to 1000	18	-	-	2	-	-	1	-	21	1.6	11.1	41.7
t dose 201 to 500 (mSv)	33	1	-	1	-	-	-	-	35	0.3	5.0	43.5
101 to 200	36	-	4	2	-	-	-	-	42	0.8	5.4	39.6
51 to 100	53	1	1	4	3	-	2	-	64	1.9	10.8	46.4
≤ 50	887	16	30	60	17	4	4	2	1020	1.0	7.7	40.5
Total	1034	18	35	69	20	5	6	2	1189	1.0	7.8	40.9

Supplement-Table 12-10-2. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 35-44

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were detected)	Average age by dose (all those aged 35 to 44)
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm				
Without the experience of ultrasonic:												
Thyroid > 1000	4	-	-	-	-	-	-	-	4	0.0	-	40.5
equivalen 501 to 1000	3	-	-	1	-	-	-	-	4	2.1	8.4	39.5
t dose 201 to 500 (mSv)	6	-	-	-	-	-	-	-	6	0.0	-	38.7
101 to 200	8	-	1	-	-	-	-	-	9	0.5	4.1	40.4
51 to 100	15	1	-	-	-	-	1	-	17	1.6	13.7	39.5
≤ 50	274	8	9	14	6	1	2	-	314	0.9	7.1	39.8
Total	310	9	10	15	6	1	3	-	354	0.9	7.3	39.8

Supplement-Table 12-10-4. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (number of workers): Aged 55 and over

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of nodules (or nodules within cysts)								Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were detected)	Average age by dose (all those aged 55 and over)
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm				
Without the experience of ultrasonic:												
Thyroid > 1000	2	-	-	-	-	-	-	-	2	0.0	-	58.0
equivalen 501 to 1000	8	-	-	-	-	-	-	-	8	0.0	-	56.3
t dose 201 to 500 (mSv)	11	-	-	1	-	-	-	-	12	0.6	7.1	48.6
101 to 200	11	-	3	1	-	-	-	-	15	1.4	5.2	50.0
51 to 100	20	-	1	2	2	-	1	-	26	2.3	10.0	50.4
≤ 50	61	3	5	13	2	1	1	1	87	1.3	7.0	49.6
Total	83	3	5	15	3	1	1	1	112	2.2	8.6	57.0

Supplement-Table 12-12. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose for workers without the experience of ultrasonic examinations (percentage)

* Excluding those whose internal dose evaluation was classified into reliability level C or D	Presence/absence and size of nodules (or nodules within cysts)								Total
	None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	> 25.1mm	
Thyroid > 1000	100.0%	-	-	-	-	-	-	-	100.0%
equivalen 501 to 1000	85.7%	-	-	9.5%	-	4.8%	-	-	100.0%
t dose 201 to 500 (mSv)	94.3%	2.9%	-	2.9%	-	-	-	-	100.0%
101 to 200	85.7%	-	9.5%	4.8%	-	-	-	-	100.0%
51 to 100	82.8%	1.6%	1.6%	6.3%	4.7%	-	3.1%	-	100.0%
≤ 50	87.0%	1.6%	2.9%	5.9%	1.7%	0.4%	0.4%	0.2%	100.0%
Total	87.0%	1.5%	2.9%	5.8%	1.7%	0.4%	0.5%	0.2%	100.0%

Supplement-Table 13-1. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers)

* The size of nodules within cysts represents the value under the Fukushima method.

(Fukushima method)		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all examinees)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid	> 1000	29	-	2	3	-	-	-	34	0.8	5.1	38.3
equivale	501 to 1000	55	1	2	7	1	2	-	68	1.6	8.2	40.4
nt dose	201 to 500	200	4	10	14	7	2	3	242	1.6	9.5	44.3
(mSv)	101 to 200	210	4	11	18	5	1	-	251	1.3	7.9	41.9
	51 to 100	141	1	8	12	9	-	3	174	1.8	9.4	44.4
	< 50	1117	5	38	92	26	8	4	1295	1.2	9.0	40.9
Total		1752	15	71	146	48	13	9	2064	1.3	8.8	41.7
									unit: workers		unit: mm	unit: years

Supplement-Table 13-1-2. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers): Aged 35-44

* The size of nodules within cysts represents the value under the Fukushima method.

(Fukushima method) age 35-44		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged 35 to 44)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid	> 1000	11	-	1	1	-	-	-	13	0.7	4.8	39.5
equivale	501 to 1000	11	-	1	1	-	1	-	14	2.1	10.0	38.6
nt dose	201 to 500	59	1	1	2	1	-	2	66	1.1	10.0	39.3
(mSv)	101 to 200	73	1	3	3	1	-	-	81	0.6	6.3	40.0
	51 to 100	47	-	3	3	1	-	1	55	1.3	8.8	39.8
	< 50	347	2	11	26	11	2	2	401	1.1	8.1	39.8
Total		548	4	20	36	14	3	5	630	1.1	8.1	39.8
									unit: workers		unit: mm	unit: years

Supplement-Table 13-1-3. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers): Aged 45-54

* The size of nodules within cysts represents the value under the Fukushima method.

(Fukushima method) age 55 and over		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged 55 and over)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid	> 1000	1	-	-	1	-	-	-	2	2.6	5.2	55.5
equivale	501 to 1000	4	-	-	2	-	-	-	6	2.0	6.0	58.0
nt dose	201 to 500	30	-	3	4	2	1	-	43	4.0	13.3	56.7
(mSv)	101 to 200	20	1	1	3	3	-	-	28	2.4	8.5	57.2
	51 to 100	19	-	1	3	2	-	-	25	2.3	9.4	57.4
	< 50	79	1	5	19	3	1	1	111	2.8	9.7	57.1
Total		153	2	10	32	10	2	1	215	2.9	10.1	57.1
									unit: workers		unit: mm	unit: years

Supplement-Table 13-1-1. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers): Aged 20-34

* The size of nodules within cysts represents the value under the Fukushima method.

(Fukushima method) age 20-34		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged 20 to 34)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid	> 1000	11	-	-	-	-	-	-	11	0.0	-	26.0
equivale	501 to 1000	23	1	1	-	-	-	-	25	0.3	3.3	28.3
nt dose	201 to 500	39	1	1	3	-	-	-	44	0.6	5.5	28.5
(mSv)	101 to 200	57	2	2	1	-	-	-	62	0.3	4.0	27.9
	51 to 100	23	-	1	2	1	-	-	27	1.1	7.4	28.7
	< 50	355	-	2	9	5	1	-	372	0.7	13.9	27.8
Total		508	4	7	15	6	1	-	543	0.6	10.0	27.9
									unit: workers		unit: mm	unit: years

Supplement-Table 13-1-3. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (number of workers): Aged 45-54

* The size of nodules within cysts represents the value under the Fukushima method.

(Fukushima method) age 45-54		Presence/absence and size of nodules (or nodules within cysts)							Total	Average maximum diameter by dose (all examinees)	Average maximum diameter by dose (only those in whom nodules were)	Average age by dose (all those aged between 45 and 54)
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm				
Thyroid	> 1000	6	-	1	1	-	-	-	8	1.4	5.5	49.0
equivale	501 to 1000	17	-	-	4	1	1	-	23	2.5	9.6	50.1
nt dose	201 to 500	72	2	5	5	4	1	-	89	1.4	7.5	49.9
(mSv)	101 to 200	60	-	5	11	1	1	-	80	2.3	9.3	49.4
	51 to 100	52	1	3	4	5	-	2	67	2.3	10.2	49.7
	< 50	336	2	20	38	7	4	1	409	1.4	8.0	49.6
Total		543	5	34	63	18	7	3	676	1.7	8.4	49.6
									unit: workers		unit: mm	unit: years

Supplement-Table 13-2. Presence/absence and maximum diameter of nodules (or nodules within cysts) seen by thyroid equivalent dose (percentage)

* The size of nodules within cysts represents the value under the Fukushima method.

(Fukushima method)		Presence/absence and size of nodules (or nodules within cysts)							Total
		None	< 3.0mm	3.1mm-5.0mm	5.1mm-10.0mm	10.1mm-15.0mm	15.1mm-20.0mm	20.1mm-25.0mm	
Thyroid	> 1000	85.3%	-	5.9%	8.8%	-	-	-	100.0%
equivale	501 to 1000	80.9%	1.5%	2.9%	10.3%	1.5%	2.9%	-	100.0%
nt dose	201 to 500	82.6%	1.7%	4.1%	5.8%	2.9%	0.8%	0.8%	100.0%
(mSv)	101 to 200	83.7%	1.6%	4.4%	7.2%	2.0%	0.4%	-	100.0%
	51 to 100	81.0%	0.6%	4.6%	6.9%	5.2%	-	1.7%	100.0%
	< 50	86.3%	0.4%	2.9%	7.1%	2.0%	0.6%	0.3%	100.0%
Total		84.9%	0.7%	3.4%	7.1%	2.3%	0.6%	0.4%	100.0%