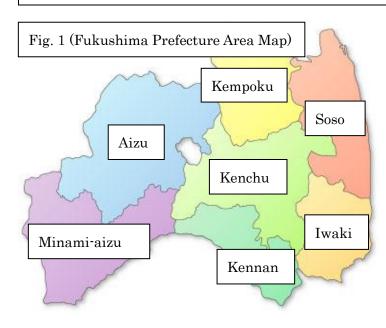
Basic Survey (Radiation Dose Estimates) reported on June 5, 2013

- 1. Response Rates and Radiation Dose Estimates
- 1.1 Response Rates of Residents

The overall effective response rate to the Basic Survey (radiation dose estimates), which targeted the entire population of Fukushima Prefecture, was 23.4% (481,423/2,056,994) as of 31 March 2013. Although the response rate was higher (58.2%) in the preceding survey of high-priority areas (Yamakiya of Kawamata, Namie and Iitate), the response rate of the full-scale survey was 22.9% (Table 1). Regional variations in the response rates were also observed, ranging from 13%–15% in Aizu and Minami-aizu to 42% in Soso area (Table 1 and Fig. 1).

Table 1 Response rates to the Basic Survey As of 31 March 2013										
		Target population	Response	Respons e rate	Completed dose estimation	Proportion	Returned results	Proportion		
		а	b	c = b/a	d	e = d/b	f	g = f/b		
Preceding survey	Yamakiya of Kawamata, Namie and litate	29,044	16,905	58.2%	16,208	95.9%	15,957	94.4%		
	Kempoku	504,291	132,702	26.3%	120,537	90.8%	117,432	88.5%		
	Kenchu	560,116	116,076	20.7%	101,702	87.6%	100,335	86.4%		
	Kennan	152,776	26,830	17.6%	23,485	87.5%	23,019	85.8%		
Full-scale	Aizu	267,696	40,272	15.0%	34,460	85.6%	33,458	83.1%		
survey	Minami-aizu	30,831	4,128	13.4%	3,589	86.9%	3,521	85.3%		
	Soso	168,409	70,762	42.0%	58,460	82.6%	55,406	78.3%		
	lwaki	343,831	73,748	21.4%	62,102	84.2%	61,411	83.3%		
	Sub total	2,027,950	464,518	22.9%	404,335	87.0%	394,582	84.9%		
Т	otal	2,056,994	481,423	23.4%	420,543	87.4%	410,539	85.3%		



1.2Response Rates of Visitors

The survey questionnaire was distributed upon request to non-residents who were visiting or staying in Fukushima Prefecture at the time of the accident. Of 2,064 responses, doses have been estimated for 1,589 respondents (77.0%), and the results shall be returned accordingly (Table 2).

Table 2	Respon	se rates to	the Basic	Survey						
		(visit	tors)		As of 31	1 March 2013				
Number of		Daananaa	Completed		Returned					
Number of request	Response	Response rates	dose	Proportion	results	Proportion				
request		rates	estimation							
a	b	c = b/a	d	e = d/b	f	g = f/b				
3,789	2,064									

2. Radiation Dose Estimates (Preceding Survey and Full-Scale Survey)

Recorded movements of respondents are converted to digital data, and effective external cumulative doses were calculated using the dose calculation system developed by the National Institute of Radiological Sciences. Doses have been estimated for 420,543/481,423 respondents (87.4%) as of 31 March 2013 (Table 1), and the results have been returned to 410,539 respondents.

Among the 420,543 dose estimates, radiation workers were excluded, and the results of 411,922 respondents suggested that more than 90% of the respondents received <2 mSv in Kempoku and Kenchu areas. The doses for approximately 91% of the respondents in Kennan area and more than 99% of those in Aizu and Minami-aizu were <1 mSv. Doses for 78% of respondents in Soso area and more than 99% of respondents in Iwaki were also <1 mSv (Table 3).

Table 3		Estir	nated e	externa	l radiati	ion dose	s in th	e first fo	ur mo	nths (pre	cedir	ng survey	and	full-scale	surv	ey)	As o	f 31 March	n 201
Effective										By re	egion (excluding r	adiatio	n workers))				
Dose (mSv)	Total	Exclud	ing radia	tion work	ers	Kempol	(u *	Kench	ıu	Kenna	ın	Aizu		Minami-	aizu	Soso	**	lwak	j
<1	277,350	271,822	66.0%	94.9%		38,556	32.2%	59,863	59.5%	21,252	91.5%	33,953	99.6%	3,536	99.4%	54,214	77.8%	60,466	99.2°
1-2	121,165	119,018	28.9%	54.5 /6		69,710	58.2%	35,168	35.0%	1,974	8.5%	146	0.4%	22	0.6%	11,562	16.6%	436	0.79
2-3	18,589	18,260	4.4%	4.7%	99.8%	11,101	9.3%	5,332	5.3%	10	0.0%	3	-	0	-	1,795	2.6%	19	0.0
3-4	1,349	1,283	0.3%	4.7%		388	0.3%	244	0.2%	0	-	1	0.0%	0	-	647	0.9%	3	0.0
4-5	584	549	0.1%	0.2%		35	0.0%	5	0.0%	0	-	0	-	0	-	509	0.7%	0	-
5-6	458	408	0.1%	0.2%		18	0.0%	2	0.0%	0	-	0	-	0	-	388	0.6%	0	-
6-7	258	228	0.1%	2 101		5	0.0%	0	-	0	-	0	-	0	-	223	0.3%	0	-
7-8	147	116	0.0%	0.1%	0.2%	1	0.0%	0	-	0	-	0	-	0	-	115	0.2%	0	-
8-9	112	78	0.0%			0	-	0	-	0	-	0	-	0	-	78	0.1%	0	-
9-10	64	40	0.0%	0.0%		0	-	0	-	0	-	0	-	0	-	40	0.1%	0	-
10-11	70	42	0.0%			0	-	0	-	0	-	0	-	0	-	42	0.1%	0	-
11-12	42	29	0.0%	0.0%		1	0.0%	0	-	0	-	0	-	0	-	28	0.0%	0	-
12-13	37	16	0.0%		0.0%	0	-	0	-	0	-	0	-	0	-	16	0.0%	0	-
13-14	33	11	0.0%	0.0%		0	-	0	-	0	-	0	-	0	-	11	0.0%	0	-
14-15	29	10	0.0%	0.051		0	-	0	-	0	-	0	-	0	-	10	0.0%	0	-
>15	256	12	0.0%	0.0%	0.0%	0	-	0	-	0	-	0	-	0	-	12	0.0%	0	-
Total	420,543	411,922	100.0%	100.0%	100.0%	119,815	100%	100,614	100%	21,963	100%	34,085	100%	3,558	100%	69,690	100%	60,924	100
Max	66.0mSv	25.0mSv				11.0mSv		5.9mSv		2.6mSv		3.6mSv		1.6mSv		25.0mSv		3.9mSv	

3. Evaluation of the results

The latest radiation dose estimates showed similar trends to those observed so far. Based on such doses, we expect it difficult to observe significant adverse effects of radiation among Fukushima residents, since previous epidemiological studies of the general public indicate no significant health effects at doses <100 mSv.

Appendix 1

Response rates to the Basic Survey by district

Preceding and full-scale surveys

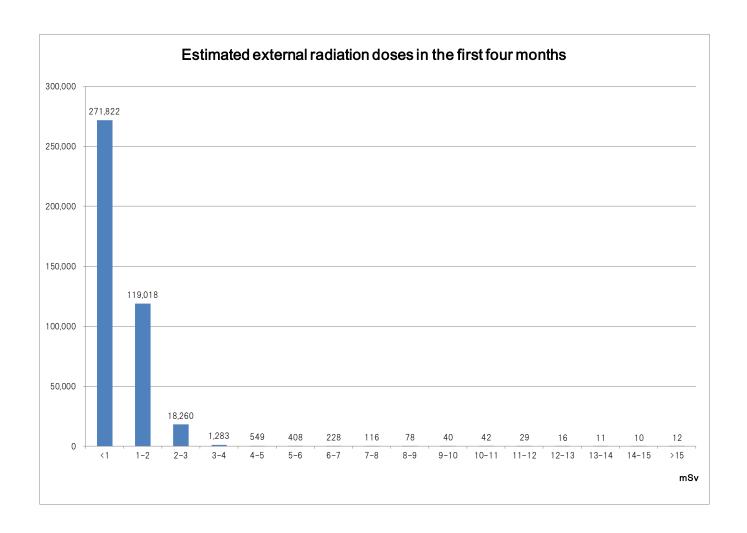
As of 31 Mrach 2013

		Preceding	and full-s				As of 31 M	1rach 2013
		Target	Response	Respons	Completed	Proportio	Returned	Proportion
Area	District	population	response	e rates	dose	n	results	roportion
	8	а	b	c = b/a	d	e = d/b	f	g = f/b
	Fukushima	296,421	82,895		76,459	92.2%	74,215	
	Nihonmatsu	60,967	14,489	23.8%	12,856	88.7%	12,751	88.0%
	Date	67,854	15,830	23.3% 23.4%	13,839 6,528	87.4% 87.4%	13,557 6,408	85.6% 85.8%
Kempoku	Motomiya Kori	31,874 13,293	7,467 3,554	26.7%	3,252	91.5%	3,161	88.9%
Котрока	Kunimi	10,342	2,687	26.0%	2,435	90.6%	2,355	87.6%
	Kawamata	15,916	4,965	31.2%	4,486	90.4%	4,364	
	Otama	8,872	1,606	18.1%	1,411	87.9%	1,337	83.3%
	Subtotal	505,539	133,493	26.4%	121,266	90.8%	118,148	88.5%
	Koriyama	341,841	74,159		65,417		64,532	
	Sukagawa	80,425	13,409	16.7%	11,763	87.7%	11,652	86.9%
	Tamura	41,805	10,087	24.1%	8,396	83.2%	8,303	82.3%
	Kagamiishi	13,172	2,431	18.5%	2,088	85.9%	2,053	84.5%
	Tenei Ishikawa	6,481 17,518	944 3,645	14.6% 20.8%	739 2,993	78.3% 82.1%	716 2,926	75.8% 80.3%
Kenchu	Tamakawa	7,385	1,275	17.3%	1,109	87.0%	1,068	83.8%
rtorioria	Hirata	7,088	1,388	19.6%	1,103	88.9%	1,221	88.0%
	Asakawa	7,200	1,228	17.1%	1,100	89.6%	1,081	88.0%
	Furudono	6,349	1,091	17.2%	970	88.9%	968	88.7%
	Miharu	19,086	4,269	22.4%	3,880	90.9%	3,809	89.2%
	Ono	11,766	2,150	18.3%	2,013	93.6%	2,006	
	Subtotal	560,116	116,076	20.7%	101,702	87.6%	100,335	86.4%
	Shirakawa	65,542	11,667	17.8%	10,004	85.7%	9,817	
	Nishigo	20,137 7,025	4,107	20.4% 16.2%	3,660	89.1% 85.2%	3,565	86.8% 79.9%
	Izumizaki Nakajima	5,316	1,139 724	13.6%	970 641	88.5%	910 638	79.9% 88.1%
	Yabuki	18,509	3,339	18.0%	2,941	88.1%	2,901	86.9%
Kennan	Tanagura	15,416	2,306	15.0%	2,084	90.4%	2,052	89.0%
	Yamatsuri	6,494	1,169	18.0%	1,058	90.5%	1,018	
	Hanawa	10,125	1,714	16.9%	1,547	90.3%	1,541	89.9%
	Samekawa	4,212	665	15.8%	580	87.2%	577	86.8%
	Subtotal	152,776	26,830	17.6%	23,485	87.5%	23,019	85.8%
	Aizuwakamatsu	128,052	20,982	16.4%	18,395	87.7%	17,733	84.5%
	Aizuwakamatsu Kitakata	128,052 53,270	20,982 6,674	16.4% 12.5%	18,395 5,752	87.7% 86.2%	17,733 5,597	84.5% 83.9%
	Aizuwakamatsu Kitakata Kitashiobara	128,052 53,270 3,283	20,982 6,674 414	16.4% 12.5% 12.6%	18,395 5,752 346	87.7% 86.2% 83.6%	17,733 5,597 344	84.5% 83.9% 83.1%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu	128,052 53,270 3,283 7,732	20,982 6,674 414 1,158	16.4% 12.5% 12.6% 15.0%	18,395 5,752 346 952	87.7% 86.2% 83.6% 82.2%	17,733 5,597 344 938	84.5% 83.9% 83.1% 81.0%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai	128,052 53,270 3,283 7,732 3,897	20,982 6,674 414 1,158 556	16.4% 12.5% 12.6% 15.0% 14.3%	18,395 5,752 346 952 464	87.7% 86.2% 83.6% 82.2% 83.5%	17,733 5,597 344 938 455	84.5% 83.9% 83.1% 81.0% 81.8%
A:	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro	128,052 53,270 3,283 7,732 3,897 16,328	20,982 6,674 414 1,158 556 2,786	16.4% 12.5% 12.6% 15.0% 14.3% 17.1%	18,395 5,752 346 952	87.7% 86.2% 83.6% 82.2% 83.5% 84.0%	17,733 5,597 344 938 455 2,299	84.5% 83.9% 83.1% 81.0% 81.8% 82.5%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai	128,052 53,270 3,283 7,732 3,897	20,982 6,674 414 1,158 556	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1%	18,395 5,752 346 952 464 2,341	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3%	17,733 5,597 344 938 455	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081	20,982 6,674 414 1,158 556 2,786 2,263 426 527	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1%	18,395 5,752 346 952 464 2,341 1,726 346 419	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5%	17,733 5,597 344 938 455 2,299 1,694 315 415	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 78.7%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3%	18,395 5,752 346 952 464 2,341 1,726 346 419 235	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1%	17,733 5,597 344 938 455 2,299 1,694 315 415	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2%
Aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1%
Aizu Minami-aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 15.7% 15.6% 12.7%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 88.7%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 81	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1% 87.7% 83.5% 84.4%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Sutakata	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 15.7% 15.6% 12.7%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 15.6% 12.7% 13.4% 32.6%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1% 87.7% 83.5% 85.4% 85.3%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 86.9%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 85.3% 85.3% 86.3%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 85.3% 85.4% 66.3% 72.9%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6% 88.1%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.3% 66.3% 72.9%
Minami-aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 1,255	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6% 88.1%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.3% 76.8% 86.0% 82.3%
	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499 5,871	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6% 88.1%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.3% 66.3% 72.9%
Minami-aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 1,255 4,665	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6% 88.1% 83.7% 79.5%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.0% 86.0% 82.3% 70.7%
Minami-aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma Futaba	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500 7,140	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499 5,871 3,874	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1% 54.3% 60.0%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 4,665 3,405 12,274 532	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.8% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6% 88.1% 83.7% 79.5% 87.9% 96.2% 66.8%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150 3,205	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.0% 86.0% 82.3% 70.7% 82.7% 94.8% 64.2%
Minami-aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma Futaba Namie Katsurao Shinchi	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500 7,140 21,249 1,545 8,361	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499 5,871 3,874 12,754 797 2,432	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1% 54.3% 60.0% 51.6%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 4,665 3,405 12,274 532 2,038	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.6% 86.7% 86.9% 85.1% 86.9% 87.9% 96.2% 66.8% 83.8%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150 3,205 12,087 512 1,868	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.0% 82.3% 70.7% 82.7% 94.8% 64.2% 76.8%
Minami-aizu	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma Futaba Namie Katsurao Shinchi litate	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500 7,140 21,249 1,545 8,361 6,547	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499 5,871 3,874 12,754 797 2,432 3,360	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1% 54.3% 60.0% 51.6% 51.3%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 4,665 3,405 12,274 532 2,038 3,205	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.6% 85.1% 86.7% 86.9% 85.1% 82.3% 68.6% 74.6% 83.7% 79.5% 87.9% 96.2% 66.8% 83.8%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150 3,205 12,087 512 1,868 3,154	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.0% 82.3% 70.7% 82.7% 94.8% 64.2% 76.8% 93.9%
Minami-aizu Soso	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma Futaba Namie Katsurao Shinchi Iitate Subtotal	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500 7,140 21,249 1,545 8,361 6,547 196,205	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499 5,871 3,874 12,754 797 2,432 3,360 86,876	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1% 54.3% 60.0% 51.6% 51.3% 44.3%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 1,255 4,665 3,405 12,274 532 2,038 3,205 73,939	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 75.0% 84.2% 85.6% 85.6% 85.6% 86.7% 86.7% 86.8% 86.9% 87.9% 96.2% 66.8% 83.8% 95.4% 85.1%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150 3,205 12,087 512 1,868 3,154 70,647	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 72.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 86.0% 82.3% 70.7% 82.7% 94.8% 64.2% 76.8% 93.9% 81.3%
Minami-aizu Soso	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma Futaba Namie Katsurao Shinchi litate Subtotal	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500 7,140 21,249 1,545 8,361 6,547 196,205	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 29,365 2,163 4,071 8,462 1,499 5,871 3,874 12,754 797 2,432 3,360 86,876	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1% 54.3% 60.0% 51.6% 51.3% 44.3% 21.4%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 4,665 3,405 12,274 532 2,038 3,205 73,939 62,102	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 85.6% 85.6% 85.6% 85.8% 86.7% 85.6% 85.1% 82.3% 68.6% 74.6% 83.7% 79.5% 87.9% 96.2% 66.8% 83.8% 95.4% 84.2%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150 3,205 12,087 512 1,868 3,154 70,647	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 85.4% 66.3% 70.7% 82.7% 94.8% 64.2% 76.8% 93.9% 81.3% 83.3%
Minami-aizu Soso	Aizuwakamatsu Kitakata Kitashiobara Nishiaizu Bandai Inawashiro Aizubange Yukawa Yanaizu Mishima Kaneyama Showa Aizumisato Subtotal Shimogo Hinoemata Tadami Minami-aizu Subtotal Soma Minami-soma Hirono Naraha Tomioka Kawauchi Okuma Futaba Namie Katsurao Shinchi Iitate Subtotal	128,052 53,270 3,283 7,732 3,897 16,328 17,914 3,524 4,081 2,048 2,549 1,570 23,448 267,696 6,656 618 5,038 18,519 30,831 37,511 70,326 5,141 8,052 15,794 3,039 11,500 7,140 21,249 1,545 8,361 6,547 196,205 343,831 2,056,994	20,982 6,674 414 1,158 556 2,786 2,263 426 527 313 530 316 3,327 40,272 895 97 788 2,348 4,128 12,228 29,365 2,163 4,071 8,462 1,499 5,871 3,874 12,754 797 2,432 3,360 86,876 73,748	16.4% 12.5% 12.6% 15.0% 14.3% 17.1% 12.6% 12.1% 12.9% 15.3% 20.8% 20.1% 14.2% 15.0% 13.4% 15.7% 15.6% 12.7% 13.4% 32.6% 41.8% 42.1% 50.6% 53.6% 49.3% 51.1% 54.3% 60.0% 51.6% 51.3% 44.3% 21.4%	18,395 5,752 346 952 464 2,341 1,726 346 419 235 445 237 2,802 34,460 794 83 676 2,036 3,589 10,412 24,175 1,484 3,039 7,455 4,665 3,405 12,274 532 2,038 3,205 73,939 62,102	87.7% 86.2% 83.6% 82.2% 83.5% 84.0% 76.3% 81.2% 79.5% 75.1% 84.0% 85.6% 85.6% 85.6% 85.8% 86.7% 85.6% 85.1% 82.3% 68.6% 74.6% 83.7% 79.5% 87.9% 96.2% 66.8% 83.8% 95.4% 84.2%	17,733 5,597 344 938 455 2,299 1,694 315 415 235 437 229 2,767 33,458 785 81 673 1,982 3,521 10,195 22,566 1,433 2,969 7,275 1,233 4,150 3,205 12,087 512 1,868 3,154 70,647	84.5% 83.9% 83.1% 81.0% 81.8% 82.5% 74.9% 73.9% 75.1% 82.5% 82.5% 83.2% 83.1% 87.7% 83.5% 85.4% 84.4% 85.3% 85.4% 66.3% 70.7% 82.7% 94.8% 64.2% 76.8% 93.9% 81.3% 83.3%

Basic Survey, Fukushima Health Management Survey Estimated external radiation doses Preceding survey and full-scale survey

Estimated external radiation doses by region in the first four months

Effective	Tetal	Excluding				By region				Proport	Proportion (%) exclud			
Dose (mSv)	Total	radiation workers	Kempoku	Kenchu	Kennan	Aizu	Minami-aizu	Soso	lwaki	radi	ation work	ers		
<1	277,350	271,822	38,556	59,863	21,252	33,935	3,536	54,214	60,466	66.0	94.9			
1-2	121,165	119,018	69,710	35,168	1,974	146	22	11,562	436	28.9	94.9			
2-3	18,589	18,260	11,101	5,332	10	3	0	1,795	19	4.4	4.7	99.8		
3-4	1,349	1,283	388	244	0	1	0	647	3	0.3	4.7			
4-5	584	549	35	5	0	0	0	509	0	0.1	0.2			
5-6	458	408	18	2	0	0	0	388	0	0.1	0.2			
6-7	258	228	5	0	0	0	0	223	0	0.1	0.1			
7-8	147	116	1	0	0	0	0	115	0	0.0	0.1	0.2		
8-9	112	78	0	0	0	0	0	78	0	0.0	0.0			
9-10	64	40	0	0	0	0	0	40	0	0.0	0.0			
10-11	70	42	0	0	0	0	0	42	0	0.0	0.0			
11-12	42	29	1	0	0	0	0	28	0	0.0	0.0			
12-13	37	16	0	0	0	0	0	16	0	0.0	0.0	0.0		
13-14	33	11	0	0	0	0	0	11	0	0.0	0.0			
14-15	29	10	0	0	0	0	0	10	0	0.0	0.0			
>15	256	12	0	0	0	0	0	12	0	0.0	0.0	0.0		
Total	420,543	411,922	119,815	100,614	23,236	34,085	3,558	69,690	60,924	100.0	100.0	100.0		
Max	66.0	25.0	11.0	5.9	2.6	3.6	1.6	25.0	3.9					



As of 31 March 2013

Estimated external radiation dose by age group in the first four months (excluding radiation workers)

Effective	Age at the time of the disaster										
Dose (mSv)	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70 - 79	80 -	Total	
<1	30,392	25,392	19,734	31,053	26,450	33,712	44,690	35,809	24,590	271,822	
1-2	14,001	12,225	8,490	15,618	14,582	16,703	18,504	11,999	6,896	119,018	
2-3	3,431	1,912	907	1,950	1,874	2,548	3,012	1,810	816	18,260	
3-4	153	113	77	134	136	224	213	160	73	1,283	
4-5	23	53	36	42	77	107	88	76	47	549	
5-6	17	18	24	33	47	95	81	65	28	408	
6-7	4	7	11	18	27	44	57	39	21	228	
7-8	2	7	7	7	14	32	20	18	9	116	
8-9	1	6	3	6	8	17	15	10	12	78	
9-10	0	0	1	2	4	11	11	7	4	40	
10-11	1	1	1	1	10	12	6	7	3	42	
11-12	0	0	0	2	0	8	10	8	1	29	
12-13	0	0	0	0	1	6	5	3	1	16	
13-14	0	0	1	1	0	6	3	0	0	11	
14-15	0	0	0	0	0	5	4	1	0	10	
>15	0	1	0	0	2	2	6	0	1	12	
Total	48,025	39,735	29,292	48,867	43,232	53,532	66,725	50,012	32,502	411,922	

Estimated external radiation dose by sex in the first four months (excluding radiation workers)

Effective	By sex				Total	Proportion	
Dose (mSv)	Male	Proportion (%)	Female	Proportion (%)		(%)	
<1	118,741	64.4	153,081	67.3	271,822	66.0	
1-2	54,303	29.4	64,715	28.5	119,018	28.9	
2-3	9,828	5.3	8,432	3.7	18,260	4.4	
3-4	783	0.4	500	0.2	1,283	0.3	
4-5	295	0.2	254	0.1	549	0.1	
5-6	209	0.1	199	0.1	408	0.1	
6-7	130	0.1	98	0.0	228	0.1	
7-8	65	0.0	51	0.0	116	0.0	
8-9	42	0.0	36	0.0	78	0.0	
9-10	24	0.0	16	0.0	40	0.0	
10-11	29	0.0	13	0.0	42	0.0	
11-12	17	0.0	12	0.0	29	0.0	
12-13	8	0.0	8	0.0	16	0.0	
13-14	8	0.0	3	0.0	11	0.0	
14-15	6	0.0	4	0.0	10	0.0	
>15	10	0.0	2	0.0	12	0.0	
Total	184,498	100.0	227,424	100.0	411,922	100.0	

Appendix 4

Fukushima Health Management Survey Results of Thyroid Ultrasound Examination

1. Primary Examination (carried out within Fukushima Prefecture)

Thyroid Ultrasound Examination (Thyroid Screening) started on 22 April 2013. The examination will continue until 31 March 2014 targeting 158,783 in 34 municipalities.

Target municipalities (nationally designated evacuation zones) 2011/2012

As of 31 March 2013

	Target Population	Number of participants	Participation rates (%)	N	umber of Parti (% (%		1)	Participants from outside Fukushima	Proportion (%)
	a	b	b/a	0-5	6-10	11-15	16-18	C 4)	c/b
				545	613	689	356		
Kawamata	2,403	2,203	91.7	93.0	97.0	95.7	76.6	32	1.5
				24.7	27.8	31.3	16.2		
				844	793	855	524		
Namie	3,645	3,016	82.7		86.1	82.8	76.9	1,018	33.8
				28.0	26.3	28.3	17.4		
T	1.000	026	05.0	244	263	259	160		
Iitate	1,090	926	85.0	87.8	87.4	85.5	76.9	57	6.2
				26.3 2,805	28.4 2,722	28.0 2,707	17.3	-	
Minami-soma	12,530	9,737	77.7		79.7	82.1	1,503 70.1	2,624	26.9
winianii-sonia	12,330	9,737	//./	28.8	28.0	27.8	15.4	2,024	20.9
				2,502	2,966		1,726		
Date	11,357	10,481	92.3	91.2	98.0	97.4	78.1	163	1.6
Buto	11,557	10,101	,2.0	23.9	28.3	31.4	16.4		1.0
				1,520	1,786		1,008		
Tamura	7,081	6,307	89.1	88.4	98.6	96.0	68.3	27	0.4
	ĺ	,		24.1	28.3	31.6	16.0		
				174	172	248	113		
Hirono	1,077	707	65.6	68.2	68.8	71.3	50.4	114	16.1
				24.6	24.3	35.1	16.0		
				226	278	301	177		
Naraha	1,429	982	68.7	65.3	76.8	72.7	57.7	144	14.7
				23.0	28.3	30.7	18.0		
				478	508		302		
Tomioka	2,940	1,881	64.0	62.2	69.2	66.9	54.8	420	22.3
				25.4	27.0	31.5	16.1		
				64	80	64	45		
Kawauchi	357	253	70.9		80.8		57.0	41	16.2
				25.3	31.6	25.3	17.8		
OI.	2 200	1.700	71.0	550	496	468	194	27.4	160
Okuma	2,386	1,708	71.6		78.1	75.6	54.8	274	16.0
				32.2 230	29.0 198	27.4 236	11.4 118	-	
Futaba	1,204	782	65.0		66.9	70.4	57.3	362	46.3
rutaba	1,204	782	05.0	29.4	25.3	30.2	15.1	302	40.3
				43	52		27	-	
Katsurao	233	176	75.5		83.9		56.3	12	6.8
Tanguruo	255	1,0	75.5	24.4	29.6		15.3	"	0.0
				0	6	10	18		
Other	34	34	100.0	0.0	100.0	100.0	100.0	2	5.9
				0.0	17.7	29.4	52.9		
				10,225	10,933	11,764	6,271		
Subtotal	47,766	39,193	82.1		87.1	86.7	69.9	5,290	13.5
				26.1	27.9	30.0	16.0	1	

¹⁾ Age at the time of the disaster on 11 March 2011

²⁾ Number of participants/Number in the target population age group

³⁾ Number of participants in the age group/Number of participants

⁴⁾ Number of participants from other prefecture visited Fukushima for screening

	Target Population	Number of Participants	Participation Rates (%)	Nun	nber of Partic (%) (%)		Participants from outside Fukushima	Proportion (%)	
	a	b	b/a	0-5	6-10	11-15	16-18	C 4)	c/b
				12,538	13,294	13,546	6,423		
Fukushima	53,852	45,801	85.0	81.9	93.8	90.5	68.3	1,695	3.
				27.4	29.0	29.6	14.0		
				2,409	2,540	2,604	987		
Nihonmatsu	10,243	8,540	83.4	86.5	95.8	88.8	52.6	94	1.
				28.2	29.7	30.5	11.6		
				1,476	1,532	1,481	588		
Motomiya	6,147	5,077	82.6	83.0	95.9	87.5	54.5	51	1.
				29.0	30.2	29.2	11.6		
				442	389	377	133		
Otama	1,620	1,341	82.8	90.6	97.7	87.7	43.8	10	0.7
				33.0	29.0	28.1	9.9		
				14,121	15,403	15,544	5,737		
Koriyama	65,586	50,805	77.5	73.3	90.5	85.3	51.8	1,160	2.3
				27.8	30.3	30.6	11.3		
			0	469	523	545	240		
Kori	2,058	1,777	86.3	89.0	96.5	92.1	60.5	18	1.0
				26.4	29.4	30.7	13.5		
			0	336	384	437	187		
Kunimi	1,557	1,344	86.3	88.7	96.7	92.6	60.5	10	0.7
				25.0	28.6	32.5	13.9		
 .	1.050	0.45	7 0.0	278	280	216	71		
Tenei	1,070	845	79.0	90.8	97.6	77.1	36.0	11	1.3
				32.9	33.1	25.6	8.4		
G1 : 1	12.500	10.705	05.7	2,947	3,138	3,434	1,276	7.1	0.5
Shirakawa	12,590	10,795	85.7	87.4 27.3	95.5 29.1	91.5 31.8	58.5 11.8	71	0.7
				1,060	1,044	1,016	421		
NT-1-1	4.021	2.541	00.1				61.9	20	0.3
Nishigo	4,021	3,541	88.1	92.0 29.9	95.9 29.5	92.4 28.7	11.9	26	0.
				345	339	307	11.9		
Izumizaki	1,299	1,140	87.8		96.0	91.1	60.6	5	0.4
izuiiizaki	1,299	1,140	07.0	30.3	29.7	26.9	13.1]	0.4
				661	714	721	344		
Miharu	2,879	2,440	84.8	88.1	96.4	88.1	60.4	20	0.8
Williai u	2,079	2,440	04.0	27.1	29.3	29.5	14.1	20	0.0
				32	179	130	14.1		
Hisanohama of Iwaki	342	341	99.7	100.0	99.4	100.0	0.0		0.0
Thisanonama of Twaki	342	541	<i>)).1</i>	9.4	52.5	38.1	0.0	l Y	0.0
				37,114	39,759	40,358	16,556		
Subtotal	163,264	133,787	81.9	79.1	92.5	87.6	57.8	3,171	2.4
Subtotal	103,204	133,707	01.9	27.7	29.7	30.2	12.4	3,1/1	2

					47,339	50,692	52,122	22,827		
	Total	211,030	172,980	82.0	80.0	91.7	87.9	61.2	8,461	4.9
L					27.4	29.3	30.1	13.2		

Target municipalities (2013/2014)

As of 10 May 2013

_										
		5,694		92.0	1,228	2,429	965	98		
	Total	, , , , , , , , , , , , , , , , , , ,	4,720	62.9					4	0.1
		158,783		3.0	26.0	51.5	20.4	2.1		

¹⁾ Age at the time of the disaster on 11 March 2011

²⁾ Number of participants/Number in the target population age group

³⁾ Number of participants in the age group/Number of participants

⁴⁾ Number of participants from other prefecture visited Fukushima for screening

2. Primary Examination (carried out outside Fukushima Prefecture)

- Thyroid Ultrasound Examination (Thyroid Screening) was carried out from 1 November 2012 at the medical institutes outside Fukushima prefecture.
- To those who could not undergo the screening in 2011/2012, and 2012/2013 except for Koriyama and Miharu, the notification of the primary examination outside Fukushima was distributed.
- For non-participants in Koriyama and Miharu the notification was sent on 29 May 2013.
- After the screening in Fukushima, non-participants were determined to be sent the notification in order the municipality is ready. Refer to the Appendix No.1 for target municipalities by year.

Target municipalities 2011/2012

As of 31 March 2013

Kawamata b c c/b 0-5 6-10 11 Kawamata 221 37 26 70.3 13 9 Namie 678 201 145 72.1 48 42 Namie 166 14 11 78.6 2 5 Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2 11 8	3.9	16-18
Kawamata 221 37 26 70.3 50.0 34.6 Namie 678 201 145 72.1 48 42 33.1 29.0 33.1 29.0 20 5 Itate 166 14 11 78.6 2 5 Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2 11 8		3
Namie 678 201 145 72.1 48 42 Namie 166 14 11 78.6 2 5 Iitate 166 14 11 78.6 18.2 45.4 Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2		ر
Namie 678 201 145 72.1 33.1 29.0 Iitate 166 14 11 78.6 2 5 Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2 11 8		11.5
Iitate 166 14 11 78.6 2 5 Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2	39	16
Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2	26.9	11.0
Minami-soma 2,861 922 699 75.8 269 214 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2 11 8	4	0
Minami-soma 2,861 922 699 75.8 38.5 30.6 Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2 11 8	36.4	0.0
Date 1,134 176 118 67.0 44 31 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2 11 8	155	61
Date 1,134 176 118 67.0 37.3 26.3 Tamura 960 64 51 79.7 18 11 Hirono 383 56 27 48.2	22.2	8.7
Tamura 960 64 51 79.7 18 11 35.3 21.6 Hirono 383 56 27 48.2	7.6	28.8
Tamura 960 64 51 79.7 35.3 21.6 Hirono 383 56 27 48.2	7.0	13
Hirono 383 56 27 48.2 11 8	17.6	25.5
Hirono 383 56 27 48,2	4	4
40.8 29.6	14.8	14.8
19 15	14	8
Naraha 483 94 56 59.6 33.9 26.8	25.0	14.3
Tomioka 1,234 252 191 75.8 69 47	46	29
Tomioka 1,234 252 191 75.8 36.1 24.6	24.1	15.2
Kawauchi 125 26 9 34.6 3 4	1	1
33.3 44.5	11.1	11.1
Okuma 828 191 136 71.2 54 42	31	9
39.7 30.9	22.8	6.6
Futaba 477 119 99 83.2 35 22	28	14
35.4 22.2	28.3	14.1
Katsurao 85 3 3 100.0 0 1	2	0
0.0 33.3	66.7 343	0.0
Subtotal 9,635 2,155 1,571 72.9 585 451 37.2 28.7	.54.3	192

¹⁾ The number of the notification sent to those who did not undergo the screening in target municipalities

²⁾ Age at the time of the disaster on 11 March 2011

[•] Those who requested but did not undergo the screening will choose a medical institute either outside or inside Fukushima.

	Number of non- participants in screening within Fukushima	Number of request	Number of Participants	Participation rates (%)		Number of Part	icipants by age 2) %)	
	a	b		c/b	0-5	610	11-15	16-18
Fukushima	8,521	1,261	566	44.9	266 47.0	132 23.3	68 12.0	100 17.7
					31	18	8	22
Nihonmatsu	1,883	176	79	44.9	39.2	22.8	10.1	27.9
	1 202	114	50	50.0	27	15	3	13
Motomiya	1,292	114	58	50.9	46.5	25.9	5.2	22.4
Otama	326	18	13	72.2	2	4	4	. 3
Otallia	320	10	13	12.2	15.4	30.8	30.8	23.0
Koriyama	14,781	-	-	-	-	-	-	_
					3	3	C	5
Kori	309	37	11	29.7	27.3	27.3	0.0	45.4
Kunimi	236	27	20	74.1	7	3	2	8
Kunimi	230	27	20	/4.1	35.0	15.0	10.0	40.0
Tenei	270	17	5	29.4	3	0	C	2
Tener	270	17		29.4	60.0	0.0	0.0	
Shirakawa	2,071	297	147	49.5	61	33	15	
Dimana Wa	2,071	227		.,,,,	41.5	22.4	10.2	25.9
Nishigo	572	89	44	49.4	16	11	4	13
					36.4	25.0	9.1	29.5
Izumizaki	196	17	5	29.4	0	4	0	1
					0.0	0.0	0.0	0.0
Miharu	439	-	-	-	-	-	-	-
Subtotal	30,896	2,053	948	46.2	416	223	104	205
Subiotai	30,890	2,053	948	40.2	43.9	23.5	11.0	21.6

2011-2013 As of 31March 2013

Total	40,531	4,208	2,519	59.9	1,001	674	447	397
Total	40,331	4,206	2,319		39.7	26.8	17.7	15.8

Number of Primary Examination carried out outside Fukushima Prefecture From 1 April 2013 to 16 May 2013

_	1 10111 1 71p111 20	15 to 10 Way 2015						
	T-4-1		100		88	46	28	28
	Total	-	- 190	-	46.4	24.2	14.7	14.7

¹⁾ The number of the notification sent to those who could not undergo the screening in target municipalities

²⁾ Age at the time of the disaster on 11 March 2011

[•] Those requested but did not undergo the screening will choose a medical institute either outside or inside Fukushima.

3. Thyroid Screening Results

(Refer to the Appendix No. 3 and No. 4 for the results by municipalities)

Results (2011/2012, 2012/2013)

Number of (2011/2012) 2)

Confirmed test results 1)

As of 31 March 2013

Target municipalities (2012/2013)

(2012/2013)

40,302

134,074

- 1) The total number of participants underwent the screening at medical institutes within or outside Fukushima prefecture and had the results confirmed.
- 2) Including 2,188 participants with confirmed results from the screening in 2012-2013.

	Results	Number		%	Number	%		
A	A1	25,670	63.7	99.5	73,393	54.7	99.3	
A	A2	14,427	35.8	99.3	59,746	44.6	99.3	
В		205		0.5	934	0	.7	
C		0		0.0	1	0.0	001	

T4		April 2011-March 2012						
Test	results	Number	%	Total				
Na dulas	≥5.1mm	203	0.50	421				
Nodules	\leq 5.0mm	218	0.54	1.04%				
Conta	≥20.1mm	1	0.002	14,351				
Cysts	≤20.0mm	14,350	35.61	35.61%				

Took	a	April 2012-March 2013						
Test	results	Number	0%	Total				
Nodules	<u>≥</u> 5.1mm	922	0.69	1,593 1.19%				
rodules	<u>≤</u> 5.0mm	671	0.50	1.19%				
Crysta	<u>≥</u> 20.1mm	8	0.006	59,865				
Cysts	<u><</u> 20.0mm	59,857	44.64	59,865 44.65%				

Status of the results

A1: No nodules/cysts

A2: Nodules \leq 5.0 mm or cysts \leq 20.0 mm

B: Nodules ≥ 5.1 mm or cysts ≥ 20.1 mm

C: Immediate need for secondary examination

Outline of the results

- Those with A1 and A2 screening test results needs a follow-up till next screening in April 2014 and after.
- Those with B and C screening test results will undergo a secondary examination.
- Some A2 test results may be classified as B results when clinically indicated.

Class Sex		A1	A	1	A2		В		С			Total			
Age 1)	Male	Female	Subtotal	Male	Female	Subtotal	Male	Female	Subtotal	Male	Female	Subtotal	Male	Female	Subtotal
0-5	14,733	13,260	27,993	4,417	4,798	9,215	14	14	28	0	0	0	19,164	18,072	37,236
6 - 10	9,937	8,427	18,364	10,611	10,730	21,341	39	88	127	0	0	0	20,587	19,245	39,832
11-15	9,959	8,614	18,573	10,287	11,130	21,417	135	262	397	0	0	0	20,381	20,006	40,387
<u>≥</u> 16	4,185	4,278	8,463	3,582	4,191	7,773	132	250	382	0	1	1	7,899	8,720	16,619
Total	38,814	34,579	73,393	28,897	30,849	59,746	320	614	934	0	1	1	68,031	66,043	134,074

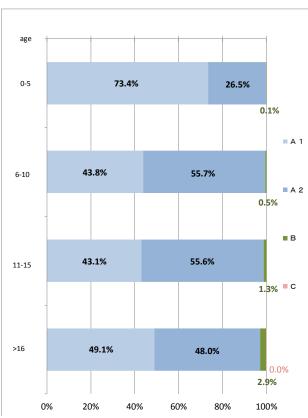
¹⁾ Age at the time of the disaster on 11 March 2011

● For details of the 2011/2012 test results see Appendix No.5

Test results by age group and sex



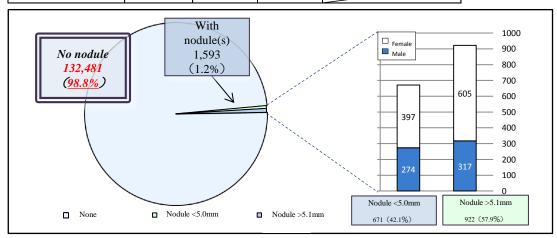




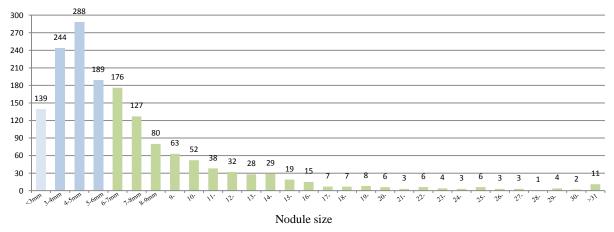
Thyroid Screening Results: Nodules (April 2012–March 2013)

Nodules found during thyroid screening

Nodule size	Total			Class	%
Nodule Size	Total	Male	Female	Class	70
None	132,481	67,440	65,041	A1	98.8%
<3.0mm	139	68	71	A2	0.5%
3.1-5.0mm	532	206	326	AZ	0.5%
5.1-10.0mm	635	229	406		
10.1-15.0mm	179	53	126		
15.1-20.0mm	56	17	39	В	0.7%
20.1-25.0mm	22	8	14		
25.1mm<	30	10	20		
Total	134,074	68,031	66,043		



Number of people with thyroid nodule by nodule size



Thyroid Screening Results

Nodules were observed in 1,593 (1.2%) of 134,074 who had been screened between April 2012 and March 2013 (the proportion was 1.0% in 2011/2012).

Among 1,593 with thyroid nodules, 922 (0.7%) had nodules >5.1 mm (the proportion was 0.5% in 2011/2012). Nodules between 5.1 mm and 10.0 mm were found in 635 (68.9%) of 922 who required a secondary examination (the proportion was 67.0% in 2011/2012).

Nodules >10.0 mm were found in 287, which was 0.21% of the total number screened (the proportion was 0.17% in 2011/2012).

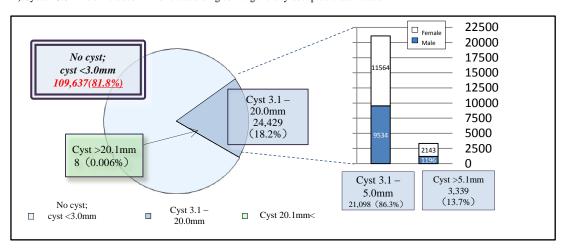
Thyroid Screening Results: Cysts (April 2012–March 2013)

Cysts found during thyroid screening

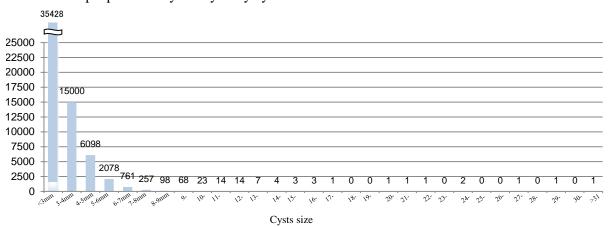
Cysts size	Total			Class	%
Cysts size	Total	Male	Female	1)	2)
none	74,209	39,126	35,083	A1(55.3%)	81.8%
<3.0mm	35,428	18,175	17,253		81.8%
3.1-5.0mm	21,098	9,534	11,564		
5.1-10.0mm	3,262	1,173	2,089	A2(44.6%)	18.2%
10.1-15.0mm	62	22	40		18.2%
15.1-20.0mm	7	0	7		
20.1-25.0mm	5	0	5	В	0.006%
25.1mm<	3	1	2	В	0.000%
Total	134,074	68,031	66,043		

¹⁾ Classification based solely on cycts size

²⁾ Cysts <3.0mm are included in 'None' according to the generally accepted classification



Number of people with thyroid cysts by cysts size



Thyroid Screening Results

Cysts were found in 59,865 (44.6%) of 134,074 who underwent the thyroid screening between April 2012 and March 2013 (the proportion was 35.6% in 2011/2012).

Those with cysts \leq 3.0 mm accounted for 35,428.

Those with cysts \ge 3.1 mm accounted for 24,437, which is 18.2% of the total number screened (the proportion was 16.8% in 2011/2012).

Cysts \ge 3.1 mm were more frequently found in females. The proportion of those with cysts \ge 3.1 mm was 43.9% in males and 56.1% in females (the proportion was 43.2 in males and 56.8 in females in 2011/2012).

4. Secondary Examination

Status of secondary examination

The primary examination found that there were a certain number of people requiring the secondary examination. In response to that, the secondary examination was carried out promptly.

Target municipalities (2011/2012) As of 27 May 2013 (c)/(b)% (d)/(c)% (e)/(c)% (f)/(c)% (g)/(c)% Kawamata 2,229 24 0.4% 100.0% 0.0% 12.5% 37.5% 50.0% 100.0% 12.5% 0.0% 87.5% 85.7% 24 20 1 6 10 20 16 10 Namie 3,161 50 0.8% 83.3% 15.0% 83.3% 15.0% 62.5% 5.0% 30.0% 50.0% 5.0% 80.0% 6 0 5 Iitate 937 12 0.6% 83.3% 0.0% 40.0% 20.0% 40.0% 83.3% 20.0% 40.0% 40.0% 100.0% 15 21 10,436 104 Minami-soma 0.5% 88.0% 47.7% 88.0% 9.1% 81.8% 58.3% 13.6% 34.1% 9.1% 4.6% 50 44 25 42 30 0 16 4 23 Date 10,599 117 76.7% 0.5% 88.0% 0.0% 6.8% 56.8% 84.0% 9.6% 19.0% 71.4% 36.4% 33 23 1 3 13 21 0 19 6,358 57 Tamura 0.5% 69.7% 4.3% 13.0% 56.6% 26.1% 63.6% 0.0% 9.5% 90.5% 47.4% 0 0 0 0 2 734 Hirono 0.4% 100.0% 33.3% 100.0% 100.0% 33.3% 0.0% 0.0% 0.0% 0.0% 0.0% 0 4 0 0 9 Naraha 1,038 100.0% 0.4% 25.0% 0.0% 0.0% 75.0% 75.0% 0.0% 33.3% 66.7% 33.3% 0 1 4 0 18 Tomioka 2,072 0.4% 77.8% 0.0% 14.3% 28.6% 57.1% 77.8% 0.0% 0.0% 100.0% 71.4% 8 262 Kawauchi 1.5% 75.0% 0.0% 33.3% 0.0% 66.7% 75.0% 0.0% 33.3% 66.7% 33.3% 10 0 0 0 Okuma 1,844 10 60.0% 50.0% 50.0% 20.0% 80.0% 75.0% 0.5% 0.0% 50.0% 0.0% 0.0% 0 0 0 0 0 0 0 0 0 0 Futaba 881 0.3% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0 0 2 179 Katsurao 100.0% 100.0% 100.0% 100.0% 0.6% 0.0% 0.0% 0.0% 0.0% 34 205 166 9 17 59 81 160 11 23 126 82 413 40,764 Subtotal 0.5% 81.0% 5.4% 10.2% 35.6% 48.8% 78.0% 6.9% 14.3% 78.8% 65.1%

Target municipalities	(2012/2013)										As of 27	May 2013	
	Number of	Number who	_	Participant	s in secondary ex	amination		Number	of people whose	secondary exa	mination was c	ompleted	Total of
	participants in primary examination	required secondary examination	Total	Age 0-5 (d)	Age 6-10 (e)		Age 16-18 (g)	Total	Requiring furth		Advised to b	with aspiration biopsy cytology	participa nts in secondar y
	(a)	(b) (b)/(a)%	(c) (c)/(b)%	(d)/(c)%	(e)/(c)%	(f)/(c)%	(g)/(c)%	(h) (h)/(b)%	A1(i) (i)/(h)%	A2(j) (j)/(h)%	(k) (k)/(h)%	(l) (l)/(k)%	examinat on
		263	228	4	27	88	109	210	1	57	152	56	
Fukushima	46,367	0.6%	86.7%	1.8%	11.8%	38.6%	47.8%	79.8%	0.5%	27.1%	72.4%	36.8%	531
NUL	9.610	51	20	0	4	9	7	9	0	1	8	4	22
Nihonmatsu	8,619	0.6%	39.2%	0.0%	20.0%	45.0%	35.0%	17.6%	0.0%	11.1%	88.9%	50.0%	33
Motomiya	5,135	27	1	0	0	1	0	1	0	0	1	1	3
Motorniya	3,133	0.5%	3.7%	0.0%	0.0%	100.0%	0.0%	3.7%	0.0%	0.0%	100.0%	100.0%	,
Otama	1,354	7	0	0	0	0	0	0	0	0	0	0	- ()
Otalila		0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Koriyama	50,805	442	5	0	1	3	1	3	0	0	3	2	14
	,	0.9%	1.1%	0.0%	20.0%	60.0%	20.0%	0.7%	0.0%	0.0%	100.0%	66.7%	
Kori	1,788	12	0	0	0	0	0	0	0	0	0	0	- 0
		0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Kunimi	1,364	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4 0
		1.176	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	_
Tenei	850	0.7%	16.7%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	- 1
		61	0	0.0%	0.070	0.070	0	0.070	0.070	0.070	0.070	0.070	
Shirakawa	10,942	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	- 0
	2.505	28	0	0	0	0	0	0	0	0	0	0	
Nishigo	3,585	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
T	1,145	5	0	0	0	0	0	0	0	0	0	0	0
Izumizaki	1,145	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Miharu	2,440	15	0	0	0	0	0	0	0	0	0	0	0
Miliaiu	2,440	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	U
Iwaki	341	3	0	0	0	0	0	0	0	0	0	0	- 1
1111111	5.1	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	_ •
Subtotal	134,735	935	255	4	32	101	118	223	1	58	164	63	583
	1	0.7%	27.3%	1.6%	12.5%	39.6%	46.3%	23.9%	0.4%	26.0%	73.6%	38.4%	L
m . 1	175 400	1,140	421	13	49	160	199	383	12	81	290	145	00.5
Total	175,499	0.6%	36.9%	3.1%	11.6%	38.0%	47.3%	33.6%	3.1%	21.2%	75.7%	50.0%	996

⁽a) Number of participants underwent the examination within and outside Fukushima prefecture

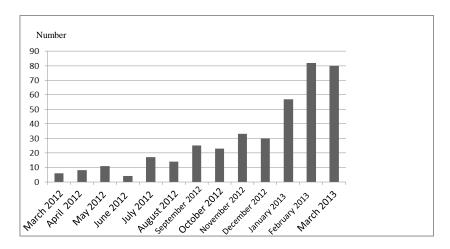
 $⁽h) \ Excluding \ participants \ who \ has \ not \ been \ informed \ of \ the \ results \ of \ the \ blood \ test, \ the \ urine \ test \ and \ cytodiagnosis$

⁽i), (j) Targets for further examination in April 2014

⁽k) Those requiring examination after six month to 1 year

[•] In secondary examination, participants are required to come back—another day for the results of the blood test and the urine test

Number of first examination per month (2011/2012, 2012/2013)



Procedure of the examination

- When nodular lesions were found in primary examination, secondary examination was conducted at Fukushima Medical University (FMU) Hospital including advanced ultrasound examination, blood test, urine test, and aspiration biopsy cytology if necessary.
- Those with A2 test results but classified as B were advised to undergo the secondary examination as clinically indicated.
- Priority for secondary examination is given to those in urgent clinical need.
- Results of the secondary examination were provided directly to the participants and their guardians with detailed explanation.

(i) (2011/2012)

As of 27 May 2013

· Malignant or suspicious for malignancy

12 cases (8 of surgery: 1 benign thyroid nodules, 7 of papillary carcinoma)

• Male: Female 5 cases: 7 cases

• Mean age 17.2 ± 1.9 (13-19, 11-18 at the time of the disaster)

• Mean size $14.1 \pm 7.6 \text{ mm} (6.0-33.0 \text{ mm})$

(ii) (2012/2013)

As of 27 May 2013

• Malignant or suspicious for malignancy 16 cases (5 of surgery : 5 of papillary carcinoma)

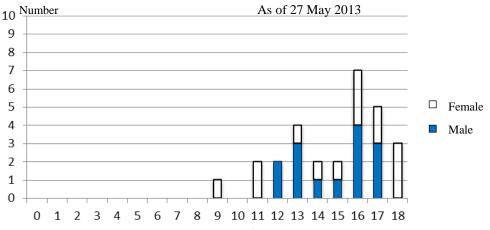
• Male: Female 9 cases: 7 cases

• Mean age 16.1 ± 2.8 (11-20, 9-18 at the time of the disaster)

• Mean size $18.1\pm9.2 \text{ mm} (8.4-34.1 \text{ mm})$

Total cases of malignant or suspicious for malignancy in 2011/2012 and 2012/2013 were 28 including 13 of surgery, 1 benign thyroid nodules, 12 of papillary carcinoma.

Number of malignant or suspicious for malignancy by age and sex



Age (at the time of the disaster on 11 March 2011)

The results of secondary examination by municipalities (2011/2012, 2012/2013)

Target municipalities (2011/2012)

	(a)Number of participants in primary examination 1)	Number who required secondary examination	Participants in secondary examination	Participation rates (%)	(b)Number of malignant or suspicious for malignancy 2)	(b)/(a)(%)
Kawamata	2,229	8	8	0.4	2	0.09
Namie	3,161	24	20	0.8	1	0.03
litate	937	6	5	0.6	0	0.00
Minami-soma	10,436	50	44	0.5	2	0.02
Date	10,599	50	44	0.5	2	0.02
Tamura	6,358	33	23	0.5	2	0.03
Hirono	734	3	1	0.4	0	0.00
Naraha	1,038	4	4	0.4	0	0.00
Tomioka	2,072	9	7	0.4	1	0.05
Kawauchi	262	4	3	1.5	1	0.38
Okuma	1,844	10	6	0.5	0	0.00
Futaba	881	3	0	0.3	0	0.00
Katsusrao	179	1	1	0.6	0	0.00
Other 3)	34	0		-	-	-
Total	40,764	205	166	0.5	11	0.03

Total number of participants within and outside Fukushima

Number who underwent thyroid examination outside nationally designated evacuation zones

Target Municipalities (2012/2013)

C	1 ,	,				
	(a)Number of participants in primary examination	Number who required secondary examination	Participants in secondary examination	Participation rates (%)	(b)Number of malignant or suspicious for malignancy 21	(b)/(a)(%)
Fukushima	46,367	263	228	0.6	9	0.02
Nihonmatsu	8,619	51	20	0.6	4	ı
Motomiya	5,135	27	1	0.5	1	ı
Otama	1,354	7	0	0.5	0	-
Koriyama	50,805	442	5	0.9	2	-
Kori	1,788	12	0	0.7	0	-
Kunimi	1,364	15	0	1.1	0	-
Tenei	850	6	1	0.7	0	-
Shirakawa	10,942	61	0	0.6	0	-
Nishigo	3,585	28	0	0.8	0	-
Izumizaki	1,145	5	0	0.4	0	-
Miharu	2,440	15	0	0.6	0	-
Iwaki	341	3	0	0.9	0	-
Total	134,735	935	255	0.7	16	-

(As of 27 May 2013)

- 1) Total number of participants within and outside Fukushima
- 2) The rates are not shown except for Fukushima since the participation rates are premature.
- Priority for secondary examination is given to those in urgent clinical need.

Excluding the case of suspected malignancy turned benign diagnosis in aspiration biopsy cytology after surgery

Year on year target municipalities for thyroid examination

13 municipalities (2011/2012)

12municipalities (2012/2013)

34municipalities(2013/2014)



Results of Thyroid Ultrasound Examination (2011/2012)

As of 31 March 2013

		Number of confirmed test		(b)Numbe					with nodules or c	
	Number of participants 1)	results(b)		(b)Propor	tion (%)		Nodu	les	Cys	sts
	(a)	Rates (%) (b)/(a)	A1	A2	В	C	Proportio	on (%) <5.0mm	Proporti >20.1mm	on (%) <20.0mm
	(a)	2,220	1,523	689	8	0	8	15	0	<20.0mm
Kawamata	2,229	99.6	68.6	31.0	0.4	0.0	0.4	0.7	0.0	31
		3,111	2,059	1,028	24	0	24	40	0	1,0
Namie	3,161	98.4	66.2	33.0	0.8	0.0	0.8	1.3	0.0	3
		928	685	237	6	0	6	15	0	2
Iitate	937	99.0	73.8	25.6	0.6	0.0	0.6	1.6	0.0	2
	10.10	10,257	6,542	3,665	50	0	50	84	0	3,0
Minami-soma	10,436	98.3	63.8	35.7	0.5	0.0	0.5	0.8	0.0	3
-	10.500	10,567	6,730	3,787	50	0	48	29	1	3,7
Date	10,599	99.7	63.7	35.8	0.5	0.0	0.5	0.3	0.0	3
_	(259	6,344	4,015	2,296	33	0	33	11	0	2,3
Tamura	6,358	99.8	63.3	36.2	0.5	0.0	0.5	0.2	0.0	3
	72.4	722	465	254	3	0	3:	2	0	:
Hirono	734	98.4	64.4	35.2	0.4	0.0	0.4	0.3	0.0	3
Naraha	1,038	1,021	587	430	4	0	4	3	0	,
Narana	1,038	98.4	57.5	42.1	0.4	0.0	0.4	0.3	0.0	4
Tomioka	2,072	2,006	1,204	793	9	0	9	6	0	
Топпока	2,072	96.8	60.0	39.6	0.4	0.0	0.4	0.3	0.0	3
Kawauchi	262	261	147	110	4	0	4	1	0	
Kawauciii	202	99.6	56.3	42.2	1.5	0.0	1.5	0.4	0.0	4
Okuma	1,844	1,803	1,059	734	10	0	10	6	0	,
Okulla	1,044	97.8	58.7	40.7	0.6	0.0	0.6	0.3	0.0	4
Futaba	881	849	524	322	3	0	3	3	0	
1 days	001	96.4	61.7	37.9	0.4	0.0	0.4	0.4	0.0	3
Katsurao	179	179	113	65	1	0	1	3	0	
KatsuldU		100.0	63.1	36.3	0.6	0.0	0.6	1.7	0.0	3
Other 2)	34	34	17	17	0	0	0	0	0	
		100.0	50.0	50.0		0.0		0.0		5
Total	40,764	40,302	25,670 63.7	14,427 35.8	205	0	203	218	0.0	14,3

²⁾ Number of targets not from nationally designated evacuation zones who underwent the thyroid screening at schools

[•] Since the numbers and ages of participants differ in municipalities, comparison among municipalities is not available.

Results of Thyroid Ultrasound Examination (2012/2013)

Position		Number of participants	Number of confirmed test		(b)Numbe					with nodules or cysts		
Pukushiran			results(b) Rates (%)	A								
Fukushima		(a)		A1		В	С			>20.1mm	<20.0mm	
Nihomatsu 8,619	Fukushima	46,367	45,980	26,286	19,431	263	0	256	181	3	19,445	
Nihommisu			99.2	57.2	42.2	0.6	0.0	0.6	0.4	0.0	42.3	
Motomiya	Nihonmatsu	8.619		5,055	3,465	50	1	50	42	1	3,466	
Motomiya 5,135 99.3 56.8 42.7 0.5 0.0 0.5 0.5 0.0 42.8 1.34 80 534 7 0 0 7 8 0 0 33.8 1.354 992 59.7 99.8 0.5 0.0 0.5 0.6 0.0 39.8 1.354 992 59.7 99.8 0.5 0.0 0.5 0.6 0.0 39.8 1.354 992 59.7 99.8 0.5 0.0 0.5 0.6 0.0 39.8 1.354 99.6 1.7 0.0 0.0 0.5 0.6 0.0 0.0 0.5 0.6 0.0 0.0 0.5 0.6 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0				59.0	40.4	0.6	0.0	0.6	0.5	0.0	40.4	
Otama 1,354 56.8 42.7 0.5 0.0 0.5 0.0 0.4 42.8 Otama 1,354 802 534 7 0 7 8 0 534 Koriyama 50,805 26,099 24,272 442 0 440 300 2 24,365 Koriyama 1,788 99.6 54.9 44.4 0.9 0.0 0.9 0.6 0.0 48.6 Kori 1,788 99.6 54.9 44.4 0.7 0.0 0.7 0.5 0.0 44.6 Kunimi 1,364 99.6 54.9 44.4 0.7 0.0 0.7 0.5 0.0 44.6 Kunimi 1,364 99.0 53.1 45.8 1.1 0.0 1.0 0.6 0.1 46.1 Tenei 850 99.0 61.8 37.5 0.7 0.0 0.7 0.4 0.0 3.75 0.0 0.5 0.0 <td>Motomiya</td> <td>5.135</td> <td></td> <td>2,894</td> <td>2,176</td> <td>27</td> <td>0</td> <td>25</td> <td>24</td> <td>1</td> <td>2,179</td>	Motomiya	5.135		2,894	2,176	27	0	25	24	1	2,179	
Nishigo Nish				56.8	42.7	0.5	0.0	0.5	0.5	0.0	42.8	
Nishigo 1,45 1,145 1,145 1,146 1,269 1,145 1,146 1,269 1,145 1,145 1,146 1,269 1,160 1,1	Otama	1 354		802	534	7	0	7	8	0	534	
Koriyama				59.7	39.8	0.5	0.0	0.5	0.6	0.0	39.8	
Kori 1,788 1,788 978 790 112 0 112 9 0 791 Kunimi 1,788 99,6 54,9 44,4 0.7 0.0 0.7 0.5 0.0 44,4 Kunimi 1,364 1,350 717 618 15 0 14 8 1 622 Kunimi 850 849 525 318 6 0 6 3 0 322 Tenei 850 99,9 61.8 37.5 0.7 0.0 0.7 0.4 0.0 37.5 Shirakawa 10,942 98,9 56.9 42.5 0.6 0.0 0.6 0.5 0 45.93 Shirakawa 10,942 98,9 56.9 42.5 0.6 0.0 0.6 0.5 0 45.93 Nishigo 3,585 99,2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.6 Lzumizaki 1,145 99,6 45.3 54.3 0.4 0.0 0.4 <td>Koriyama</td> <td>50 805</td> <td></td> <td>26,091</td> <td>24,272</td> <td>442</td> <td>0</td> <td>440</td> <td>300</td> <td>2</td> <td>24,365</td>	Koriyama	50 805		26,091	24,272	442	0	440	300	2	24,365	
Kunimi	11011) 41114			51.3	47.8	0.9	0.0	0.9	0.6	0.0	48.0	
Kunimi 99.6 54.9 44.4 0.7 0.0 0.7 0.5 0.0 44.4 Kunimi 1,364 1,350 717 618 15 0 14 8 1 622 Tenei 850 99.0 53.1 45.8 1.1 0.0 1.0 0.6 0.1 46.1 Tenei 850 99.9 61.8 37.5 0.7 0.0 0.7 0.4 0.0 37.5 Shirakawa 10,942 6,161 4,600 61 0 61 55 0 4.593 Nishigo 3,585 2,072 1,456 28 0 28 17 0 1,457 Izumizaki 1,145 99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.6 Miharu 2,440 1,146 516 619 5 0 0 0 0 0 52.0 Miharu 2,	Kori	1 788		978	790	12	0	12	9	0	791	
Kunimi 1,364 99.0 53.1 45.8 1.1 0.0 1.0 0.6 0.1 46.1 Tenei 850 849 525 318 6 0 6 3 0 322 Tenei 850 99.9 61.8 37.5 0.7 0.0 0.7 0.4 0.0 37.5 Shirakawa 10,942 10,822 6,161 4,600 61 0 61 55 0 4,593 Shirakawa 3,585 2,072 1,456 28 0 28 17 0 1,457 Nishigo 3,585 99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.6 1,145 99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.0 1,240 1,140 516 619 5 0 5 9 0 617 1zumizaki 1,145 1	Kon	3,7.2.		54.9	44.4	0.7	0.0	0.7	0.5	0.0	44.4	
Tenei 850 849 525 318 6 0 6 3 0 322 318 6 0 6 3 0 322 318 318 6 0 6 3 0 322 318 318 6 0 6 3 0 322 318 318 318 318 318 318 318 318 318 318	Kunimi	1,364		717	618	15	0	14	8	1	622	
Tenei 850 99.9 61.8 37.5 0.7 0.0 0.7 0.4 0.0 37.5 10.942 10.822 6.161 4.600 61 0 61 55 0 4.593 10.942 98.9 56.9 42.5 0.6 0.0 0.6 0.5 0.0 42.4 1.156 1.269 15 0 5 9 0 15 14 0 1.268 110.0 47.4 52.0 0.6 0.0 0.6 0.0 0.6 0.6 0.0 52.0 19.8 110.0 19.	Rumin	1,501		53.1	45.8	1.1	0.0	1.0	0.6	0.1	46.1	
Shirakawa 10,942 98.9 56.9 42.5 0.6 0.0 0.6 0.5 0.0 42.4 Nishigo 3,585 99.2 58.3 40.9 0.8 0.0 0.8 0.0 0.6 0.0 0.6 0.5 0.0 42.4 1,145 99.6 45.3 54.3 0.4 0.0 0.7 0.0 0.7 0.4 0.0 0.5 0.0 42.5 0.6 0.0 0.6 0.5 0.0 1,459 1,456 28 0 28 17 0 1,457 0 1,457 1,456	Tenei	850		525	318	6	0	6	3	0	322	
Shirakawa 10,942 98.9 56.9 42.5 0.6 0.0 0.6 0.5 0.0 42.4 3.5 3.556 2,072 1,456 28 0 28 17 0 1,457 Nishigo 3,585 99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.0 1,140 516 619 5 0 5 9 0 617 1,145 99.6 45.3 54.3 0.4 0.0 0.4 0.8 0.0 54.1 Miharu 2,440 1,156 1,269 15 0 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 15 14 0 1,268 1,269 14 1,				61.8	37.5	0.7	0.0	0.7	0.4	0.0	37.9	
Nishigo 3,585 2,072 1,456 28 0 28 17 0 1,457 Nishigo 3,585 99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 42.4 1.0 1,145 99.6 45.3 54.3 0.4 0.0 0.4 0.8 0.0 54.1 Miharu 2,440 1,156 1,269 15 0 15 14 0 1,268 1100.0 47.4 52.0 0.6 0.0 0.6 0.6 0.6 0.0 52.0 19.8	Shirakawa	10.942		6,161	4,600	61	0	61	55	0	4,593	
Nishigo 3,585 99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.0 Izumizaki 1,145 99.6 45.3 54.3 0.4 0.0 0.4 0.8 0.0 54.1 Miharu 2,440 1,156 1,269 15 0 15 14 0 1,268 2,440 10.0 47.4 52.0 0.6 0.0 0.6 0.6 0.0 52.0	Simukuwu	10,512		56.9	42.5	0.6	0.0	0.6	0.5	0.0	42.4	
99.2 58.3 40.9 0.8 0.0 0.8 0.5 0.0 41.0 Izumizaki 1,145 99.6 45.3 54.3 0.4 0.0 0.4 0.8 0.0 54.1 Miharu 2,440 100.0 47.4 52.0 0.6 0.0 0.6 0.6 0.0 52.0 341 140 198 3 0 3 1 0 198	Nishigo	3 585		2,072	1,456	28	0	28	17	0	1,457	
Izumizaki 1,145 99.6 45.3 54.3 0.4 0.0 0.4 0.8 0.0 54.1 Miharu 2,440 1,156 1,269 15 0 15 14 0 1,268 2,440 100.0 47.4 52.0 0.6 0.0 0.6 0.6 0.0 52.0 341 140 198 3 0 3 1 0 198	Nisingo	3,303		58.3	40.9	0.8	0.0	0.8	0.5	0.0	41.0	
99.6 45.3 54.3 0.4 0.0 0.4 0.8 0.0 54.1 2,440 1,156 1,269 15 0 15 14 0 1,268 Miharu 2,440 100.0 47.4 52.0 0.6 0.0 0.6 0.6 0.0 52.0 341 140 198 3 0 3 1 0 198	Izumizaki	1 145	1,140	516	619	5	0	5	9	0	617	
Miharu 2,440 100.0 47.4 52.0 0.6 0.0 0.6 0.6 0.0 52.0 341 140 198 3 0 3 1 0 198	IZumizaki	1,143	99.6	45.3	54.3	0.4	0.0	0.4	0.8	0.0	54.1	
100.0 47.4 52.0 0.6 0.0 0.6 0.6 0.0 52.0 341 140 198 3 0 3 1 0 198	Miharu	2 440	2,440	1,156	1,269	15	0	15	14	0	1,268	
	Minaru	2,440	100.0	47.4	52.0	0.6	0.0	0.6	0.6	0.0	52.0	
	Iwaki	241	341	140	198	3	0	3	1	0	198	
	IWAKI	541	100.0	41.0	58.1	0.9	0.0	0.9	0.3	0.0	58.1	
	Cubtotal	124725		73,393	59,746	934	1	922	671	8	59,857	
Subtotal 134,735 99.5 54.7 44.6 0.7 0.0 0.7 0.5 0.0 44.6	Subtotal	154,/35		54.7	44.6	0.7	0.0	0.7	0.5	0.0	44.6	

	Total	175 499	174,376	99,063	74,173	1,139	1	1,125	889	9	74,207
		175,499	99.4	56.8	42.5	0.7	0.0	0.6	0.5	0.0	42.6

¹⁾ Number of participants underwent the examination within and outside Fukushima

[•] Since the numbers and ages of participants differ in municipalities, comparison among municipalities is not available.

Class Sex		A					В		С			Total			
Age 1)	Male	A1 Female	Subtotal	Male	A2 Female	Subtotal	Male	Female	Subtotal	Male	Female	Subtotal	Male	Female	Subtotal
0-5	4,597	4,452	9,049	787	790	1,577	2	7	9	0	0	0	5,386	5,249	10,635
6 - 10	3,552	3,107	6,659	2,196	2,373	4,569	9	12	21	0	0	0	5,757	5,492	11,249
11 - 15	3,403	2,939	6,342	2,595	3,000	5,595	21	51	72	0	0	0	6,019	5,990	12,009
<u>≥</u> 16	1,882	1,738	3,620	1,223	1,463	2,686	34	69	103	0	0	0	3,139	3,270	6,409
Total	13,434	12,236	25,670	6,801	7,626	14,427	66	139	205	0	0	0	20,301	20,001	40,302

¹⁾ Age at the time of the disaster on 11 March 2011

Nodules found during thyroid screening

Nodule size	Total			Class	%	
Nodule Size	Total	Male	Female	Class	70	
None	39,881	20,126	19,755	A1	99.0%	
<3.0mm	72	35	37	A2	0.5%	
3.1-5.0mm	146		72	A2	0.5%	
5.1-10.0mm	136	51	85			
10.1-15.0mm	33	5	28			
15.1-20.0mm	19	6	13	В	0.5%	
20.1-25.0mm	9	2	7			
25.1mm<	6	2	4			
Total	40,302	20,301	20,001			

Classification based solely on nodule size

Cysts found during thyroid screening

Cysts size	Total			Class	%	
Cysts size	Total	Male	Female	1)	2)	
none	25,951	13,553	12,398	A1(64.4%)	83.2%	
<3.0mm	7,585	3,825	3,760	50	63.270	
3.1-5.0mm	5,740	2,556	3,184			
5.1-10.0mm	1,004	362	642	A2(35.6%)	16.8%	
10.1-15.0mm	19	5	14			
15.1-20.0mm	2	0	2			
20.1-25.0mm	1	0	1	В	0.002%	
25.1mm<	0	0	0	а	0.002%	
Total	40,302	20,301	20,001			

¹⁾ Classification based solely on cycts size

[•]Numbers include 2,188 participants in 2012/2013.

²⁾ Cysts <3.0mm are included in 'None' according to the generally accepted classification

(Reference)

The Ministry of Environment, Japan conducted the thyroid ultrasound examination same as Fukushima's one for sufficient number of children aged 18 years or younger in 3 prefectures, such as Nagasaki, Yamanashi, and Aomori in November 2012 through March 2013.

Total number of participants	4,365
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	Results		Status	Nur	nber	Proportion (%)		
		A1 No nodules/cysts		1,853	4 221	42.5%	00.00	
F	A	A2	Nodules ≤5.0 mm or cysts ≤20.0 mm		4,321	56.5%	99.0%	
	В		Nodules ≥5.1 mm or cysts ≥20.1 mm	44		1.0%		
	С		Immediate need for secondary examination		0	0.0%		

Source: The website of Ministry of Environment, Japan (http://www.env.go.jp/press/press.php?serial=16419)

Mental Health and Lifestyle Survey

Response rates and support after the survey 2012/2013

1. Response Rates

Number of response (as of 30 April 2013)

	Target	Number of	Response rates	
	population	responses	(%)	
Children	27,107	10,968	40.5	
Adults	184,507	54,297	29.4	
Total	211,614	65,265	30.8	

2. Support after the survey

2.1 Telephone counseling

Respondents who required support were identified on the basis of the survey response. Members of the FMU Mental Health Support Team (clinical psychologists and public health nurses et al.) attempted to contact the respondents via telephone, and provided advice and information about mental health issues.

	Respondents	Proportion ²⁾	Support for	Proportion	Number of	Proportion
	who required	(%)		(%)	respondents whose	(%)
	support 1)		required support		support was	
					completed	
Children	537	5.2	527	98.1	371	69.1
Adults	1,792	4.1	1,770	98.8	1,257	70.1
Total	2,329	4.3	2,297	98.6	1,628	69.9

^{1), 2)} As of 30 April 2013

³⁾ Respondents whom could not be reached for telephone support due to absence or other reasons or who did not provide their phone numbers.

Respondents who required support

Children with SDQ score of \geq 20, and those identified on the basis of the content of free-answer questions.

Adults with K6 score of \geq 20 or PCL score of \geq 70, and those identified on the basis of the content of free-answer questions.

2.2 Written materials

Respondents whom could not be reached for telephone support due to absence or other reasons were sent written materials providing the telephone number of the Mental Health and Lifestyle Survey helpline for consultation. The written materials also include a response card for them to write down the changes of physical condition after filling out the survey form, and whether they wanted telephone support.

2.3 Support with municipal governments

The information of the respondents who were determined to require continuous support is shared with municipal governments which work with the Fukushima Centre for Disaster Mental Health if necessary. Nine respondents were identified as candidates.

2.4 Other support services

We provide over-the-phone support to those who directly make calls to the Mental Health and Lifestyle Survey helpline. Five people received phone support.

Mental Health and Lifestyle Survey (2011/2012)

Purpose

One of the long-term impacts caused by the Chernobyl nuclear power plant accident was the changes in psychological and physical health of people. Similarly, some residents of Fukushima Prefecture are likely to be suffering from anxiety about radiation and life as evacuees, and posttraumatic stress disorder (PTSD) after the traumatic events, loss of family or property to the disaster. We conducted Mental Health and Lifestyle Survey in order to monitor health and daily lives of residents of Fukushima and to provide them proper care.

Subjects

Target population of the survey in 2011/2012 was 210,189 including officially registered residents of the nationally designated evacuation zones—Hirono, Naraha, Tomioka, Kawauchi, Okuma, Futaba, Namie, Katsurao, Iitate, Minami-soma, Tamura, Kawamata, and part of Date (the area with a specific spot recommended for evacuation)—and those identified as candidates for the survey on the basis of the Basic Survey.

- Group 1: Children born between 2 April 2004 and 10 March 2011 (non-school age) 11,717
- Group 2: Children born between 2 April 1998 and 1 April 2004 (primary school age) 11,791
- Group 3: Children born between 2 April 1995 and 1 April 1998 (middle school age) 6,077
- Group 4: Adults born before 1 April 1995 180,604

Methods

Survey forms (to be filled out by self or parent/guardian) were sent to the target population.

Implementation Period

From 20 January to 31 October 2012

Results

The numbers of response were 7,824 (66.8%) in Group 1, 7,509 (63.7%) in Group 2, 3,412 (56.1%) in Group 3, and 73,569 (40.7%) in Group 4.

The numbers of valid response were 7,818 (66.7%) in Group 1, 7,464 (63.3%) in Group 2, 3,411 (56.1%) in Group 3, and 73,433 (40.7%) in Group 4. The numbers of response include blank forms which were not counted as valid. When multiple forms were returned by one respondent, only one response was allowed.

Conclusions

1. Group 1 (non-school age)

- Although target population was 11,717, the number of valid response of Strength and Difficulties Questionnaire (SDQ) in Japanese was 3,427 because SDQ administers to the children over 4-year olds. Comparing the total score to that of Group 2 and 3, those scored above cut-off points, ≥16 in the previous study and ≥20 for requiring support, were high (24.4% and 11.3% respectively).
- By sex, females scored lower than males: those with scores ≥16 were 27.1% and >20 were 12.7% among males, 21.5% and 9.7% among females.
- On self-rated state of health (Q1), the results were positive with roughly 98% answered they had no problems (checked 'Very good', 'Good' or 'Normal'). However, nearly 2% checked 'Poor' or 'Very poor'.
- The average time of night sleep was 9 h 43 min which is shorter than that of children of the same generations in the Tokyo metropolitan area. The average time of nap was longer (1 h 47 min).

2. Group 2 (primary school age)

- Target population of Group 2 was 11,791. Compared with Group 1, the number of valid response of SDQ was nearly twice (7,450). The proportions of those with scores ≥16 and ≥20 were intermediate between Group 1 and 3 (22.0% and 10.9% respectively).
- By sex, females scored lower than males: those with scores ≥16 were 24.6% and ≥20 were 12.6% among males, 19.3% and 9.1 % among females.
- On self-rated state of health (Q1), the results were positive with more than 97% answered they had no problems (checked 'Very good', 'Good' or 'Normal'). However, approximately 3% answered they had some problems (checked 'Poor' or 'Very poor').
- The average time of night sleep was 8 h 36 min, slightly shorter than that of children of the same generations nationwide. More than half of respondents

(53.0%) checked 'Almost never' when asked how often their child usually exercises apart from physical education class, showing many children are living an unhealthy lifestyle.

3. Group 3 (middle school age)

- Target population of Group 3 was 6,077. Among 3,332 of valid response, the proportions of those with scores ≥ 16 and ≥ 20 were lower than those of Group1 and 2 (16.2% and 7.7% respectively).
- By sex, females scored higher than males: those with scores ≥16 were 15.8% and ≥20 were 7.3% among males, 16.5% and 8.1 % among females.
- On self-rated state of health, the results were relatively positive with 95% answered they had no problems (checked 'Very good', 'Good' or 'Normal'). However, 5% answered they had some problems (checked 'Poor' or 'Very poor').
- The average time of night sleep was 6 h 53 min, slightly shorter than that of children of the same generations nationwide. Nearly half of respondents (47.0%) checked 'Almost never' when asked how often their child usually exercises apart from physical education class, showing many children are living an unhealthy lifestyle.

A summary of Groups 1, 2 and 3

- We administered SDQ for identifying children's mental health. The proportion of those scored ≥16 (9.5%) was higher in every group comparing to the proportion in the previous research targeting the non-victims. The older children were more likely than younger children to score low. Consequently, we found a high percentage of those in need of support especially in younger children.
- The average time of night sleep was short in every group, causing concerns about obesity and other lifestyle-related diseases. Nearly half of children didn't usually exercise apart from physical education class.

4. Group 4 (Adults born before 1 April 1995)

4.1 Mental health

• On a normal basis, 3.0% of adults in Japan met the cut-off score on the K6 (mental illness) of ≥13. For another study, evaluating the rescue workers of the 9/11 terrorist attacks in New York City for PTSD checklist (PCL), 20.1% and 11.1% of respondents met the cut-off score of ≥44 and ≥50 respectively. Based on these previous surveys, we set up cut-off scores for requiring support as follows: K6 ≥20; PCL ≥65.

- The proportion of those with K6 score of \geq 20 was 3.3%, roughly equivalent to that on a normal basis. The rate for females was higher (3.8%) than males (2.5%). By age group, the proportion was high in those aged \geq 70 (3.9%) and low in 10-19 age group (1.9%).
- The proportion of those with PCL score of ≥65 was 4.6%. The rate for females was higher (5.2%) than males (3.9%). By age group, the proportion was high in those aged >70 and low in 10-19 age group.

4.2 Lifestyle

- When describing their current state of health, nearly 20% of respondents checked 'Poor' or 'Very poor'. Almost 80% of those who had previously diagnosed with high blood pressure were going to hospital for treatment.
- Approximately 70% had trouble sleeping, resulting in harmful effects on daytime activities.
- When asked if they exercise regularly, 50.9% checked 'Almost never'.
- We found 20.7% of current smoker, 44.1% drinking alcohol regularly, and 9.6% of heavy drinker (two or more flasks a day). While the proportion of alcohol consumer before the disaster on 11 March 2011 was 42.0%, the proportion was higher (44.1%) a year later.

References

- 1) The fourth report on lifestyle of infants by Benesse Educational Research and Development Institute.
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Telephone counselling and other support services

Purpose

In order to provide appropriate care to respondents to the Mental Health and Lifestyle Survey 2011/2012, who were determined to require mental health or lifestyle consultations and support, the FMU Mental Health Support Team consisting of clinical psychologists and public health nurses et al. performed consultations and provided information over the phone and by other means.

Methods

1. Mental health support

Target population

Individuals residing in nationally designated evacuation zones and born before 10 March 2011.

Criteria for support

High risk

Children: Checked 'Fair', 'Poor' or 'Very poor' on Question 1 (Self-rated health) with SDQ score (child behaviour) of >20.

Adults: Checked 'Fair', 'Poor' or 'Very poor' on Question 1 (Self-rated health) with either K6 score (overall mental health) of \geq 20 or PCL score (PTSD symptom severity) of \geq 65.

Above cut-off point

Children: Checked 'Fair', 'Poor' or 'Very poor' on Question 1 (Self-rated health) with SDQ score of 16-19.

Adults: Checked 'Fair', 'Poor' or 'Very poor' on Question 1 (Self-rated health) with K6 score of 13-19 and PCL score of 44-64.

Conclusions

Children

The total number of children requiring support was 1,363. Of these, 1,180 (86.6%) received phone support and 183 (13.4%) received support with written materials. Of those received phone support, 684 (50.2%) were confirmed to be in touch with a medical facility or to have someone to advise them close by, and to be properly self-managing their problems. The frequently mentioned issues on the phone were children's physical health problems, emotional problems such as anger and anxiety, and problems related to schools.

Adults

The total number of those requiring support was 5,359. Of these, 4,027 (75.1%) received phone support and 1,332 (24.9%) received support with written materials. The numbers of those who were confirmed to be in touch with a medical facility, to have someone to advise them close by, or to be properly self-managing their problems were 1,760 (42.1%) in the high-risk category, and 807 (68.7%) in the above cut-off point category. The frequently mentioned issues on the phone were disrupted sleep, physical health problems and depression.

2. Lifestyle support

2.1 Target population

Individuals residing in nationally designated evacuation zones, who were born before 1 April 1995.

2.2 Criteria for support

- ➤ Those with problems sleeping.
- Those who do not receive medical control (blood pressure or blood glucose).
- > Those with mental illness.
- Those with subjective symptoms drastically worsened after the disaster.
- ➤ Those with problems of excessive smoking or drinking after the disaster.
- Those who wrote something in the margins of the survey form that was determined to reflect emotional distress or difficulties in daily living.

2.3 Conclusions

However the male-female ratio in those requiring support was in favor of the females (55.9%), the proportion of adult female with the valid response of the Mental Health and Lifestyle Survey was equally higher (56.0%). In short, there was no gender bias. On the other hand, the proportion of those outside Fukushima Prefecture requiring support was high (24.9%) considering the rate of respondents outside Fukushima was 19.1%. Among 'eligible for support' category in phone support, sleeping problems were the most discussed issue. 73.9% of respondents were in touch with a medical facility or saw improvement before phone support. For smoking and drinking problems, few respondents saw improvement before phone support. Therefore, continuous support to promote health in cooperation with municipal governments is needed.

Reference

1) Proceedings of the 11th Prefectural Oversight Committee Meeting for Fukushima Health Management Survey

1. Purpose

This survey aims to understand the mental and physical health of pregnant women, to gain insight into their opinions and aspirations, to provide necessary care and relief of anxiety, and ultimately to improve obstetric and perinatal care in Fukushima prefecture.

2. Subject

The Survey 2012/2013 (Apr. 2012 \sim Mar. 2013)

- o those who received "The Maternal and Child Health Handbook" from a municipality in Fukushima prefecture between Aug. 1, 2011 and Jul. 31, 2012
- \circ those who received "The Maternal and Child Health Handbook" from a municipality outside Fukushima prefecture and also received prenatal care in Fukushima prefecture The Survey 2012/2013 (Apr. 2011 \sim Mar.2012)
- o those who received "The Maternal and Child Health Handbook" from a municipality in Fukushima prefecture between Aug. 1, 2010 and Jul. 31, 2011
- those who received "The Maternal and Child Health Handbook" from a municipality outside Fukushima prefecture and also stayed in or moved to Fukushima prefecture and received prenatal care or made a delivery after Mar. 11, 2011
- 3. Results (as of Apr.30 2013)
- (1) Status of reply

The Survey 2012/2013 (Apr. 2012 \sim Mar. 2013)

14,493 questionnaires were sent and 6,794 were responded (response rate 46.9%).

<u>The Survey 2011/2012 (Apr. 2011 ∼ Mar.2012)</u>

16,001 questionnaires were sent and 9,316 were responded (response rate 58.2%).

(2) Status of support

Midwives and public health nurses give supports of counseling by phone on anxiety about the status of child care, status of health and etc. to those who might need assistance according to their answers in questionnaires. In addition to that, they give support of consultation by E-mail as well.

① Phone counseling

The Survey 2012/2013

1,041 cases were judged that the support by midwives or public health nurses was

needed (Rate of support needed: 15.3%). The supports in 1,037 cases were completed.

Contents of phone counseling (Multiple answers allowed)

Contents of Telephone Counseling	Number	%
Issues related to the client's mind & body	339	32.7
Issues related to childcare and life	273	26.3
Issues related to radiation	244	23.5
Issues related to the health of the children	137	13.2
Issues related to family life	112	10.8
Issues related to the evacuation life	20	1.9
Issues related to the survey	12	1.2
Issues related to checkup or examination	7	0.7
Other	327	31.5

The Survey 2011/2012

1,401 cases were judged that the support by midwives or public health nurses was needed (Rate of support needed: 15.0%). The supports in 1,401 cases were completed.

Contents of phone counseling (Multiple answers allowed)

Contents of Telephone Counseling	Number	%
Issues related to radiation	409	29.2
Issues related to the client's mind & body	283	20.2
Issues related to childcare and life	196	14.0
Issues related to the health of the children	147	10.5
Issues related to the evacuation life	130	9.3
Issues related to family life	69	4.9
Other	509	36.3

② E-mail support

The survey 2012/2013

There were 6 cases.

Contents of E-mail counseling

Contents of Email Counseling	Number
Issues related to childcare and life	5
Complaints	1

The Survey 2011/2012

There were 13 cases.

Contents of E-mail counseling

Contents of Email Counseling	Number
Issues related to radiation	7
Issues related to breast milk test	4
Issues related to urine test	1
Issues related to defect of child	1
Other	3

③ Other

"Mental and Physical Health Support Book for parents and children" which describes how to maintain the mental health and how to deal with radiation were presented to all participants. The book was edited and issued by Children and Families Division of the Fukushima prefectural government.

(3) Status of free description column

The Survey 2012/2013

(There were 1,369 free descriptions in 6,473 data entries as of April 30, 2013)

The main contents written in the free description column

Contents of Free Description Column	Number	%
Issues related to the effect of radiation to children's health	359	26.2
Issues related to how to release the survey results	176	12.9
Issues related to food and radiation	133	9.7
Concerns about playing outdoors	107	7.8
Concerns about the effect of radiation to water	105	7.7
Physical disorder	76	5.6
Anxiety and complaint on credibility and shortage of	58	4.2
information		
Anxiety and complaint on broken family and evacuation	58	4.2
Requests to the Fukushima Medical Management Survey	53	3.9
Requests to the Health Checkup	53	3.9
Issues related to the radiation effect to the breast milk or	51	3.7
powdered milk		
Issues related to childcare	50	3.7

The Survey 2011/2012

(There were 3,722 free descriptions in 8,812 valid responses to 31 March 2013)

The main contents written in the free description column

Contents of Free Description Column	Number	%
Issues related to the effect of radiation to children's health	1,102	29.6
Issues related to how to release the survey results	725	19.5
Issues related to the radiation effect to the breast milk or	668	17.9
powdered milk		
Anxiety and complaint on credibility and shortage of	542	14.6
information		
Anxiety and complaint on broken family and evacuation	506	13.6
Issues related to food and radiation	476	12.8
Concerns about the effect of radiation to water	441	11.8
Request of breast milk examination	425	11.4
Concerns about playing outdoors	382	10.3
Requests to financial support	363	9.8
Anxiety and complaint on shortage of medical service	348	9.3
Requests for internal radiation dose examination	305	8.2

(4) New item which were added from the Survey 2012/2013 valid responses n=6,372 (no answer 101)

Q: Do you plan to have baby?	Number	%
Yes	3,423	53.7
No	2,935	46.1
Neither	14	0.2

For those who answered "yes" in above question,

(Multiple answers allowed)

Q: What kind of service do you want in case of next	Number	%
pregnancy and childbirth?		
Information on childcare and pediatric care services	2,348	68.6
Nursery care, extended day care and day care for sick children	2,205	64.4
Information on radiation and health risk	2,028	59.2
Maternity leave and parental leave	1,710	50.0
Other	328	9.6

For those who answered "No" in above question, (Multiple answers allowed)

Q: What is the reason?	Number	%
I don't want to have babies any more.	1,365	46.5
Childcare for present children keep my hands full	1,033	35.2
High age or health problem	871	29.7
Income is unstable	703	24.0
Anxiety about the health effect of radiation	429	14.6
I don't have any cooperator for household and childcare	269	9.2
Shortage of nursery center	206	7.0
Evacuation life	74	2.5
I am away from my family	72	2.5
Other	432	14.7

- 4. Evaluation of the Survey result
- In terms of the response rate, the response rate declined from 58.2% in the Survey 2011/2012 to 46.9% in the Survey 2012/2013. FMU would like to try to increase or maintain the response rate in conjunction with the Fukushima Association of Obstetricians and Gynecologists and the Fukushima Society of Obstetricians and Gynecologists.
- In terms of the support situation, support requiring rate 15.3% in the Survey 2011/2012 is almost the same as 15.0% in the Survey 2011/2012. However, the main contents changed. Issues related to the client's mind & body and Issues related to childcare and life increased. Issues related to radiation decreased but maintained high percentage, so it is still important.
- In regard to free description column, the described column decreased. "Issues related to the effect of radiation to children's health" and "Issues related to how to release the survey results" still maintain high percentage, so risk communication is still important. On the other hand, "Request of breast milk examination" decreased sharply. One of the main reasons was that the prefectural government implemented free breast milk examination.
- "Do you plan to have baby?" was a newly added question in Survey 2012/2013. "Yes"

accounted for 53.7% of the responses. Of those who answered Yes, as many as 59.2% requested "Information on radiation and health risk" in addition to ordinary requests such as "Information on childcare and pediatric services" and "Nursery care, extended day care and day care for sick children." Although information is provided in the "Mental and Physical Health Support Booklet for Parents and Children" and by phone counseling, meaningful and effective risk communication will be an ongoing need. Of those who answered "No", 14.6% cited "the health effect of radiation" as a reason. It will be important to address this anxiety in a constructive way that promotes a more comfortable environment for family planning.

• Aggregate results of Survey 2011/2012 demonstrate that the rate of preterm birth was in a range similar to that of the national average, although slight variations in the rate can be found among different regions of the prefecture. The incidence of congenital malformation or abnormalities among singleton newborns is 2.7% in the whole of Fukushima prefecture, on par with the 3-5% reported for children born anywhere else in Japan. "Heart malformation" ranked highest among reported congenital malformations or abnormalities, at 0.86% (vs. 2.7% total). This was not different from the ~1% incidence of heart malformations reported throughout Japan.