

Basic Survey (Radiation Dose Estimates) Reported on 24 August 2014

1. Simplified questionnaire

As of 30 June 2014, 52,490 have responded to the simplified questionnaire, which increased the response rates to 26.4%, 2.6% up from the previous one (Table 1).

| Table 1 Response rates to the Basic Survey As of 30 June 2014 | | | |
|---|---------------------------|-----------|-------|
| Target population | | 2,055,533 | / |
| Response | Original questionnaire | 489,163 | 23.8% |
| | Simplified questionnaire* | 52,490 | 2.6% |
| | Total | 541,653 | 26.4% |
| *Preliminary figures Fractions have been rounded. | | | |

The following tables show the results of the original and simplified questionnaires combined.

2. Response Rates and Radiation Dose Estimates

2.1 Response Rates of Residents

The overall effective response rate to the Basic Survey (radiation dose estimates), intended for the entire population of Fukushima Prefecture, was 26.4% (541,653/2,055,533) as of 30 June 2014.

Providing the simplified questionnaires increased the response rates among 0- to 19-year-old participants (Table 2). It also increased the response rates in the Aizu area to the 20% level (Table 3).

| Response Rates by Age Group | | | | | | | | |
|-----------------------------|-------|--------------------|-------|-------|-------|-------|-------|-------|
| Table 2 | | As of 30 June 2014 | | | | | | |
| Age group | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60≤ | Total |
| Proportion | 43.9% | 33.5% | 17.0% | 23.3% | 21.4% | 22.1% | 27.2% | 26.4% |

2.2 Radiation Dose Estimates

Doses have been estimated for 508,388 of 541,653 respondents (93.9%) as of 30 June 2014, and the results have been returned to 491,093 respondents (Table 3).

| Area(preceding and full-scale surveys) | Target population a | Response b | Response rates c=b/a | Completed dose estimation d | Proportion e=d/b | Returned results f | Proportion g=f/b |
|--|------------------------|---------------|-------------------------|--------------------------------|---------------------|-----------------------|---------------------|
| Kempoku | 504,079 | 146,567 | 29.1% | 139,410 | 95.1% | 135,984 | 92.8% |
| Kenchu | 557,344 | 130,676 | 23.4% | 122,824 | 94.0% | 119,017 | 91.1% |
| Kennan | 152,231 | 32,293 | 21.2% | 29,512 | 91.4% | 28,184 | 87.3% |
| Aizu | 267,217 | 53,567 | 20.0% | 46,808 | 87.4% | 42,022 | 78.4% |
| Minami-aizu | 30,787 | 6,036 | 19.6% | 4,884 | 80.9% | 4,440 | 73.6% |
| Soso | 195,640 | 88,646 | 45.3% | 85,412 | 96.4% | 84,884 | 95.8% |
| Iwaki | 348,235 | 83,868 | 24.1% | 79,538 | 94.8% | 76,562 | 91.3% |
| Total | 2,055,533 | 541,653 | 26.4% | 508,388 | 93.9% | 491,093 | 90.7% |

Including Yamakiya of Kawamata, Namie and Iitate.

We have been estimating doses for non-residents who were visiting or staying in Fukushima Prefecture at the time of the accident. (Table 4)

| Number of request a | Response b | Response rates c=b/a | Completed dose estimation d | Proportion e=d/b | Returned results f | Proportion g=f/b |
|------------------------|---------------|-------------------------|--------------------------------|---------------------|-----------------------|---------------------|
| 3,823 | 2,087 | 54.6% | 1,864 | 89.3% | 1,860 | 89.1% |

3. Results of Radiation Dose Estimates

Table 5 shows the numbers of completed dose estimates (see Table 3)—excluding the data in the estimation period less than four months—within a range of values.

Radiation doses for a total of 430,076 residents have been estimated to date. The results for 421,394 respondents (excluding radiation workers) suggest that the doses for about 88% of the respondents in Kempoku area and about 93% in Kenchu area were <2 mSv. The doses for approximately 89% of the respondents in Kennan area and more than 99% of those in Aizu and Minami-aizu areas were <1 mSv. Doses for about 78% of respondents in the Soso area and more than 99% of respondents in Iwaki were also <1 mSv.

| Effective Dose (mSv) | Total | Excluding radiation workers | | | | By area (excluding radiation workers) | | | | | | | | | | | | | |
|----------------------|---------|-----------------------------|--------|--------|--------|---------------------------------------|---------|---------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|------|
| | | Kempoku * | Kenchu | Kennan | Aizu | Minami-aizu | Soso ** | Iwaki | | | | | | | | | | | |
| <1 | 266,517 | 261,140 | 62.0% | 94.0% | 23,669 | 20.5% | 53,547 | 52.2% | 21,892 | 88.5% | 37,114 | 99.3% | 3,775 | 99.2% | 54,509 | 77.5% | 66,634 | 99.1% | |
| 1-2 | 137,081 | 134,848 | 32.0% | 99.8% | 77,265 | 67.0% | 41,613 | 40.5% | 2,826 | 11.4% | 254 | 0.7% | 29 | 0.8% | 12,266 | 17.4% | 595 | 0.9% | |
| 2-3 | 22,950 | 22,600 | 5.4% | | 13,811 | 12.0% | 7,115 | 6.9% | 12 | 0.0% | 16 | 0.0% | 0 | — | 1,621 | 2.3% | 25 | 0.0% | |
| 3-4 | 1,457 | 1,382 | 0.3% | 5.7% | 433 | 0.4% | 369 | 0.4% | 0 | — | 1 | 0.0% | 0 | — | 576 | 0.8% | 3 | 0.0% | |
| 4-5 | 536 | 494 | 0.1% | 0.2% | 39 | 0.0% | 5 | 0.0% | 0 | — | 0 | — | 0 | — | 449 | 0.6% | 1 | 0.0% | |
| 5-6 | 426 | 373 | 0.1% | | 16 | 0.0% | 2 | 0.0% | 0 | — | 0 | — | 0 | — | 354 | 0.5% | 1 | 0.0% | |
| 6-7 | 263 | 225 | 0.1% | 0.1% | 10 | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 215 | 0.3% | 0 | — | |
| 7-8 | 151 | 114 | 0.0% | | 1 | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 113 | 0.2% | 0 | — | |
| 8-9 | 113 | 73 | 0.0% | 0.0% | 1 | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 72 | 0.1% | 0 | — | |
| 9-10 | 68 | 39 | 0.0% | | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 39 | 0.1% | 0 | — | |
| 10-11 | 65 | 33 | 0.0% | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 33 | 0.0% | 0 | — | |
| 11-12 | 52 | 31 | 0.0% | | 1 | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 30 | 0.0% | 0 | — | |
| 12-13 | 35 | 13 | 0.0% | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 13 | 0.0% | 0 | — | |
| 13-14 | 33 | 12 | 0.0% | | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 0.0% | 0 | — | |
| 14-15 | 27 | 6 | 0.0% | 0.0% | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 0.0% | 0 | — | |
| ≥15 | 302 | 11 | 0.0% | | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 11 | 0.0% | 0 | — | |
| Total | 430,076 | 421,394 | 100.0% | 100.0% | 100.0% | 115,246 | 100% | 102,651 | 100% | 24,730 | 100% | 37,385 | 100% | 3,804 | 100% | 70,319 | 100% | 67,259 | 100% |
| Max | 66mSv | 25mSv | | | | 11mSv | | 5.9mSv | | 2.6mSv | | 3.6mSv | | 1.9mSv | | 25mSv | | 5.9mSv | |
| Mean value | 0.9mSv | 0.8mSv | | | | 1.4mSv | | 1.0mSv | | 0.6mSv | | 0.2mSv | | 0.1mSv | | 0.8mSv | | 0.3mSv | |

* Including Yamakiya of Kawamata.
** Including Namie and Iitate.

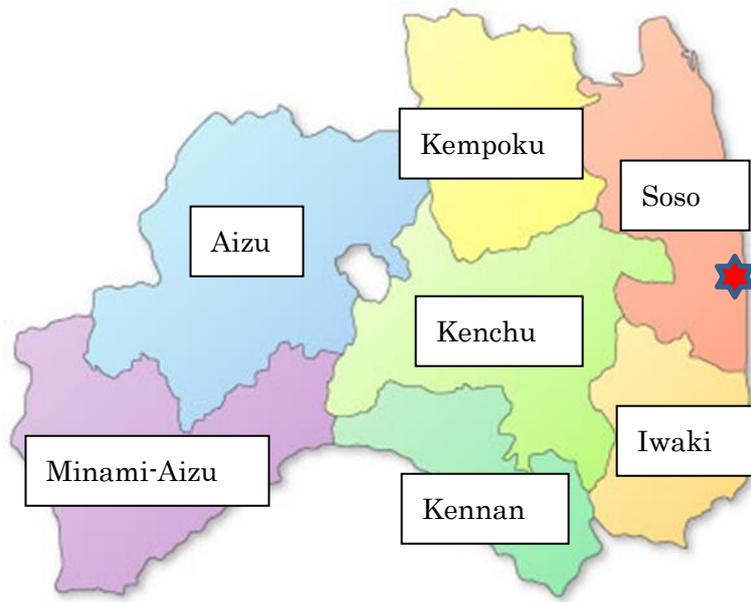
Percentages have been rounded and may not total to 100%.

4. Evaluation of the results

The latest effective radiation dose estimates showed similar trends to those observed so far. Since previous epidemiological studies¹ indicate no significant health effects at doses ≤100 mSv, we concluded that radiation doses estimated so far are unlikely to cause adverse effects on health, although this conclusion is based on external radiation doses estimated only for the first four months following the accident.

References

- 1) Sources and effects of ionizing radiation, United Nations Scientific Committee on the Effects of Atomic Radiation, UNSCEAR 2008 Report to the General Assembly, with scientific annexes.



Response rates to the Basic Survey by district
 Preceding and full-scale surveys As of 30 June 2014

| Area | District | Target population | Response | Response rates | Completed dose estimation | Proportion | Returned results | Proportion |
|-------------|---------------|-------------------|----------|----------------|---------------------------|------------|------------------|------------|
| | | a | b | c=b/a | d | e=d/b | f | g=f/b |
| Kempoku | Fukushima | 295,656 | 90,686 | 30.7% | 86,520 | 95.4% | 84,629 | 93.3% |
| | Nihonmatsu | 60,859 | 15,984 | 26.3% | 15,170 | 94.9% | 14,774 | 92.4% |
| | Date | 67,585 | 17,880 | 26.5% | 16,820 | 94.1% | 16,270 | 91.0% |
| | Motomiya | 31,768 | 8,356 | 26.3% | 7,896 | 94.5% | 7,629 | 91.3% |
| | Kori | 13,207 | 3,833 | 29.0% | 3,636 | 94.9% | 3,535 | 92.2% |
| | Kunimi | 10,316 | 2,950 | 28.6% | 2,782 | 94.3% | 2,693 | 91.3% |
| | Kawamata | 15,888 | 5,037 | 31.7% | 4,847 | 96.2% | 4,806 | 95.4% |
| | Otama | 8,800 | 1,841 | 20.9% | 1,739 | 94.5% | 1,648 | 89.5% |
| | Subtotal | 504,079 | 146,567 | 29.1% | 139,410 | 95.1% | 135,984 | 92.8% |
| Kenchu | Koriyama | 339,792 | 83,151 | 24.5% | 78,275 | 94.1% | 75,801 | 91.2% |
| | Sukagawa | 80,167 | 16,499 | 20.6% | 15,350 | 93.0% | 14,777 | 89.6% |
| | Tamura | 41,726 | 9,834 | 23.6% | 9,417 | 95.8% | 9,365 | 95.2% |
| | Kagamiishi | 13,112 | 2,828 | 21.6% | 2,640 | 93.4% | 2,540 | 89.8% |
| | Tenei | 6,469 | 1,158 | 17.9% | 990 | 85.5% | 949 | 82.0% |
| | Ishikawa | 17,494 | 4,145 | 23.7% | 3,886 | 93.8% | 3,759 | 90.7% |
| | Tamakawa | 7,339 | 1,458 | 19.9% | 1,367 | 93.8% | 1,333 | 91.4% |
| | Hirata | 7,054 | 1,623 | 23.0% | 1,512 | 93.2% | 1,453 | 89.5% |
| | Asakawa | 7,163 | 1,466 | 20.5% | 1,368 | 93.3% | 1,303 | 88.9% |
| | Furudono | 6,319 | 1,276 | 20.2% | 1,200 | 94.0% | 1,146 | 89.8% |
| | Miharu | 19,005 | 4,731 | 24.9% | 4,486 | 94.8% | 4,342 | 91.8% |
| | Ono | 11,704 | 2,507 | 21.4% | 2,333 | 93.1% | 2,249 | 89.7% |
| | Subtotal | 557,344 | 130,676 | 23.4% | 122,824 | 94.0% | 119,017 | 91.1% |
| Kennan | Shirakawa | 65,429 | 13,991 | 21.4% | 12,642 | 90.4% | 12,132 | 86.7% |
| | Nishigo | 20,089 | 4,732 | 23.6% | 4,423 | 93.5% | 4,259 | 90.0% |
| | Izumizaki | 6,931 | 1,300 | 18.8% | 1,202 | 92.5% | 1,166 | 89.7% |
| | Nakajima | 5,306 | 950 | 17.9% | 877 | 92.3% | 806 | 84.8% |
| | Yabuki | 18,345 | 3,970 | 21.6% | 3,694 | 93.0% | 3,520 | 88.7% |
| | Tanagura | 15,384 | 2,901 | 18.9% | 2,683 | 92.5% | 2,489 | 85.8% |
| | Yamatsuri | 6,489 | 1,428 | 22.0% | 1,314 | 92.0% | 1,256 | 88.0% |
| | Hanawa | 10,061 | 2,228 | 22.1% | 1,941 | 87.1% | 1,848 | 82.9% |
| | Samegawa | 4,197 | 793 | 18.9% | 736 | 92.8% | 708 | 89.3% |
| | | Subtotal | 152,231 | 32,293 | 21.2% | 29,512 | 91.4% | 28,184 |
| Aizu | Aizuwakamatsu | 127,819 | 27,824 | 21.8% | 24,265 | 87.2% | 21,777 | 78.3% |
| | Kitakata | 53,203 | 9,064 | 17.0% | 7,865 | 86.8% | 7,015 | 77.4% |
| | Kitashiobara | 3,275 | 586 | 17.9% | 505 | 86.2% | 445 | 75.9% |
| | Nishiaizu | 7,725 | 1,419 | 18.4% | 1,232 | 86.8% | 1,150 | 81.0% |
| | Bandai | 3,888 | 745 | 19.2% | 662 | 88.9% | 598 | 80.3% |
| | Inawashiro | 16,278 | 3,541 | 21.8% | 3,205 | 90.5% | 2,983 | 84.2% |
| | Aizubange | 17,881 | 3,174 | 17.8% | 2,763 | 87.1% | 2,414 | 76.1% |
| | Yugawa | 3,514 | 699 | 19.9% | 592 | 84.7% | 483 | 69.1% |
| | Yanaizu | 4,077 | 708 | 17.4% | 603 | 85.2% | 544 | 76.8% |
| | Mishima | 2,031 | 370 | 18.2% | 314 | 84.9% | 297 | 80.3% |
| | Kaneyama | 2,544 | 619 | 24.3% | 539 | 87.1% | 512 | 82.7% |
| | Showa | 1,569 | 344 | 21.9% | 311 | 90.4% | 307 | 89.2% |
| | Aizumisato | 23,413 | 4,474 | 19.1% | 3,952 | 88.3% | 3,497 | 78.2% |
| | Subtotal | 267,217 | 53,567 | 20.0% | 46,808 | 87.4% | 42,022 | 78.4% |
| Minami-aizu | Shimogo | 6,650 | 1,200 | 18.0% | 1,046 | 87.2% | 952 | 79.3% |
| | Hinoemata | 614 | 142 | 23.1% | 127 | 89.4% | 118 | 83.1% |
| | Tadamri | 5,030 | 1,082 | 21.5% | 922 | 85.2% | 849 | 78.5% |
| | Minami-aizu | 18,493 | 3,612 | 19.5% | 2,789 | 77.2% | 2,521 | 69.8% |
| | | Subtotal | 30,787 | 6,036 | 19.6% | 4,884 | 80.9% | 4,440 |
| Soso | Soma | 37,383 | 12,950 | 34.6% | 12,246 | 94.6% | 12,028 | 92.9% |
| | Minami-soma | 70,019 | 29,670 | 42.4% | 28,757 | 96.9% | 28,661 | 96.6% |
| | Hirono | 5,165 | 2,193 | 42.5% | 2,092 | 95.4% | 2,082 | 94.9% |
| | Naraha | 7,964 | 4,131 | 51.9% | 3,927 | 95.1% | 3,914 | 94.7% |
| | Tomioka | 15,754 | 8,546 | 54.2% | 8,314 | 97.3% | 8,287 | 97.0% |
| | Kawauchi | 2,996 | 1,519 | 50.7% | 1,463 | 96.3% | 1,456 | 95.9% |
| | Okuma | 11,476 | 5,997 | 52.3% | 5,696 | 95.0% | 5,673 | 94.6% |
| | Futaba | 7,051 | 3,912 | 55.5% | 3,802 | 97.2% | 3,791 | 96.9% |
| | Namie | 21,339 | 12,860 | 60.3% | 12,580 | 97.8% | 12,539 | 97.5% |
| | Katsurao | 1,541 | 811 | 52.6% | 750 | 92.5% | 749 | 92.4% |
| | Shinchi | 8,360 | 2,643 | 31.6% | 2,483 | 93.9% | 2,414 | 91.3% |
| | Iitate | 6,592 | 3,414 | 51.8% | 3,302 | 96.7% | 3,290 | 96.4% |
| | Subtotal | 195,640 | 88,646 | 45.3% | 85,412 | 96.4% | 84,884 | 95.8% |
| Iwaki | Iwaki | 348,235 | 83,868 | 24.1% | 79,538 | 94.8% | 76,562 | 91.3% |
| | Total | 2,055,533 | 541,653 | 26.4% | 508,388 | 93.9% | 491,093 | 90.7% |

*Including Yamakiya of Kawamata, Namie and Iitate.

Estimated external radiation doses in the first four months (from March 11 through July 11)

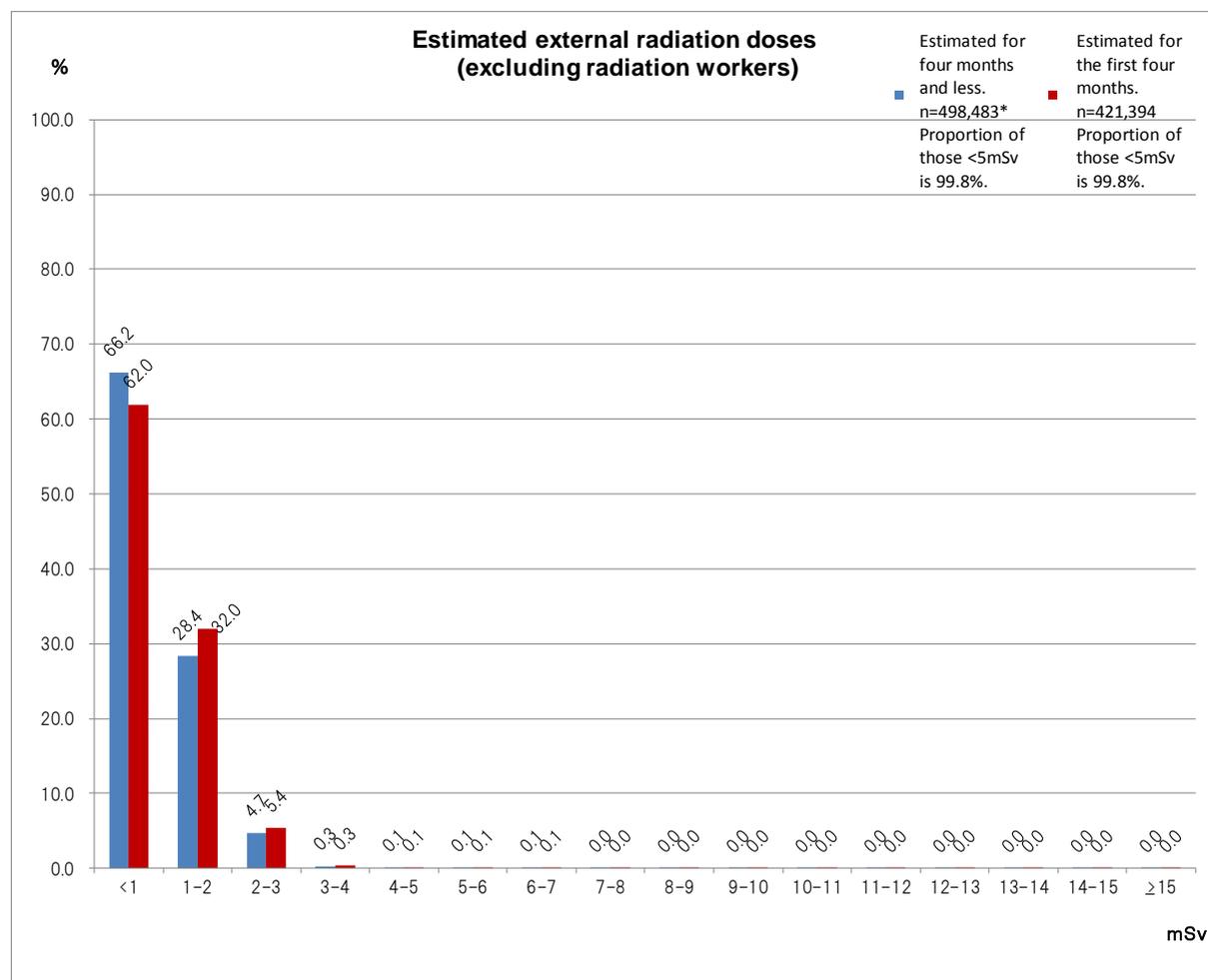
Preceding Survey and full-scale survey

As of 30 June 2014

Estimated external radiation doses by region

| Effective Dose (mSv) | Total | Excluding radiation workers | By region | | | | | | | | Proportion (%) excluding radiation workers | | |
|----------------------|----------------|-----------------------------|----------------|----------------|---------------|---------------|--------------|---------------|---------------|--------------|--|--------------|--|
| | | | Kempoku | Kenchu | Kennan | Aizu | Minami-aizu | Soso | Iwaki | | | | |
| <1 | 266,517 | 261,140 | 23,669 | 53,547 | 21,892 | 37,114 | 3,775 | 54,509 | 66,634 | 62.0 | 94.0 | 99.8 | |
| 1-2 | 137,081 | 134,848 | 77,265 | 41,613 | 2,826 | 254 | 29 | 12,266 | 595 | 32.0 | | | |
| 2-3 | 22,950 | 22,600 | 13,811 | 7,115 | 12 | 16 | 0 | 1,621 | 25 | 5.4 | 5.7 | | |
| 3-4 | 1,457 | 1,382 | 433 | 369 | 0 | 1 | 0 | 576 | 3 | 0.3 | | | |
| 4-5 | 536 | 494 | 39 | 5 | 0 | 0 | 0 | 449 | 1 | 0.1 | 0.2 | | |
| 5-6 | 426 | 373 | 16 | 2 | 0 | 0 | 0 | 354 | 1 | 0.1 | | | |
| 6-7 | 263 | 225 | 10 | 0 | 0 | 0 | 0 | 215 | 0 | 0.1 | 0.1 | | |
| 7-8 | 151 | 114 | 1 | 0 | 0 | 0 | 0 | 113 | 0 | 0.0 | | | |
| 8-9 | 113 | 73 | 1 | 0 | 0 | 0 | 0 | 72 | 0 | 0.0 | 0.0 | | |
| 9-10 | 68 | 39 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0.0 | | | |
| 10-11 | 65 | 33 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0.0 | 0.0 | | |
| 11-12 | 52 | 31 | 1 | 0 | 0 | 0 | 0 | 30 | 0 | 0.0 | | | |
| 12-13 | 35 | 13 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0.0 | 0.0 | | |
| 13-14 | 33 | 12 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0.0 | | | |
| 14-15 | 27 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0.0 | 0.0 | | |
| ≥15 | 302 | 11 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0.0 | | | |
| Total | 430,076 | 421,394 | 115,246 | 102,651 | 24,730 | 37,385 | 3,804 | 70,319 | 67,259 | 100.0 | 100.0 | 100.0 | |
| Max | 66 | 25 | 11 | 5.9 | 2.6 | 3.6 | 1.9 | 25 | 5.9 | | | | |
| Mean value | 0.9 | 0.8 | 1.4 | 1.0 | 0.6 | 0.2 | 0.1 | 0.8 | 0.3 | | | | |

Percentages have been rounded and may not total to 100%.



*Total of completed dose estimation(508,388) excluding radiation workers(9,905).

Estimated external radiation doses by estimation period and region

Table A (Estimated for the first four months and less.)

As of 30 June 2014

| Effective Dose (mSv) | Total | Excluding radiation workers | | | By region | | | | | | | | | | | | | |
|----------------------|---------|-----------------------------|--------|--------|-----------|-------|---------|-------|--------|-------|--------|-------|-------------|-------|--------|-------|--------|-------|
| | | | | | Kempoku* | | Kenchu | | Kennan | | Aizu | | Minami-aizu | | Soso** | | Iwaki | |
| <1 | 336,514 | 330,187 | 66.2% | 94.7% | 42,081 | 30.5% | 70,460 | 58.0% | 26,331 | 90.1% | 46,101 | 99.4% | 4,818 | 99.4% | 62,929 | 78.1% | 77,467 | 99.2% |
| 1-2 | 144,122 | 141,711 | 28.4% | 99.8% | 81,092 | 58.8% | 43,449 | 35.7% | 2,887 | 9.9% | 270 | 0.6% | 30 | 0.6% | 13,373 | 16.6% | 610 | 0.8% |
| 2-3 | 23,763 | 23,366 | 4.7% | | 14,079 | 10.2% | 7,257 | 6.0% | 13 | 0.0% | 16 | 0.0% | 0 | 0.0% | 1,976 | 2.5% | 25 | 0.0% |
| 3-4 | 1,643 | 1,559 | 0.3% | 5.0% | 463 | 0.3% | 375 | 0.3% | 0 | 0.0% | 1 | 0.0% | 0 | 0.0% | 717 | 1.0% | 3 | 0.0% |
| 4-5 | 629 | 584 | 0.1% | 0.2% | 48 | 0.0% | 7 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 527 | 0.7% | 2 | 0.0% |
| 5-6 | 499 | 440 | 0.1% | | 26 | 0.0% | 2 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 411 | 0.5% | 1 | 0.0% |
| 6-7 | 300 | 261 | 0.1% | 0.1% | 12 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 249 | 0.3% | 0 | 0.0% |
| 7-8 | 169 | 130 | 0.0% | | 2 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 128 | 0.2% | 0 | 0.0% |
| 8-9 | 125 | 82 | 0.0% | 0.0% | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 81 | 0.1% | 0 | 0.0% |
| 9-10 | 77 | 44 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 44 | 0.1% | 0 | 0.0% |
| 10-11 | 75 | 42 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 42 | 0.1% | 0 | 0.0% |
| 11-12 | 53 | 31 | 0.0% | | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 30 | 0.0% | 0 | 0.0% |
| 12-13 | 39 | 13 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 13 | 0.0% | 0 | 0.0% |
| 13-14 | 35 | 13 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 13 | 0.0% | 0 | 0.0% |
| 14-15 | 30 | 8 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 8 | 0.0% | 0 | 0.0% |
| ≥15 | 315 | 12 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 12 | 0.0% | 0 | 0.0% |
| Total | 508,388 | 498,483 | 100.0% | 100.0% | 137,805 | 100% | 121,550 | 100% | 29,231 | 100% | 46,388 | 100% | 4,848 | 100% | 80,553 | 100% | 78,108 | 100% |
| Max | 66mSv | 25mSv | | | 11mSv | | 5.9mSv | | 2.6mSv | | 3.6mSv | | 1.9mSv | | 25mSv | | 5.9mSv | |
| Mean value | 0.8mSv | 0.8mSv | | | 1.2mSv | | 0.9mSv | | 0.5mSv | | 0.2mSv | | 0.1mSv | | 0.7mSv | | 0.3mSv | |

*Including Yamakiya of Kawamata.

Percentages have been rounded and may not total to 100%.

**Including Namie and Itate.

Table B (Estimated for the first four months.)

As of 30 June 2014

| Effective Dose (mSv) | Total | Excluding radiation workers | | | By region | | | | | | | | | | | | | |
|----------------------|---------|-----------------------------|--------|--------|-----------|-------|---------|-------|--------|-------|--------|-------|-------------|-------|--------|-------|--------|-------|
| | | | | | Kempoku* | | Kenchu | | Kennan | | Aizu | | Minami-aizu | | Soso** | | Iwaki | |
| <1 | 266,517 | 261,140 | 62.0% | 94.0% | 23,669 | 20.5% | 53,547 | 52.2% | 21,892 | 88.5% | 37,114 | 99.3% | 3,775 | 99.2% | 54,509 | 77.5% | 66,634 | 99.1% |
| 1-2 | 137,081 | 134,848 | 32.0% | 99.8% | 77,265 | 67.0% | 41,613 | 40.5% | 2,826 | 11.4% | 254 | 0.7% | 29 | 0.8% | 12,266 | 17.4% | 595 | 0.9% |
| 2-3 | 22,950 | 22,600 | 5.4% | | 13,811 | 12.0% | 7,115 | 6.9% | 12 | 0.0% | 16 | 0.0% | 0 | 0.0% | 1,621 | 2.3% | 25 | 0.0% |
| 3-4 | 1,457 | 1,382 | 0.3% | 5.7% | 433 | 0.4% | 369 | 0.4% | 0 | 0.0% | 1 | 0.0% | 0 | 0.0% | 576 | 0.8% | 3 | 0.0% |
| 4-5 | 536 | 494 | 0.1% | 0.2% | 39 | 0.0% | 5 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 449 | 0.6% | 1 | 0.0% |
| 5-6 | 426 | 373 | 0.1% | | 16 | 0.0% | 2 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 354 | 0.5% | 1 | 0.0% |
| 6-7 | 263 | 225 | 0.1% | 0.1% | 10 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 215 | 0.3% | 0 | 0.0% |
| 7-8 | 151 | 114 | 0.0% | | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 113 | 0.2% | 0 | 0.0% |
| 8-9 | 113 | 73 | 0.0% | 0.0% | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 72 | 0.1% | 0 | 0.0% |
| 9-10 | 68 | 39 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 39 | 0.1% | 0 | 0.0% |
| 10-11 | 65 | 33 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 33 | 0.0% | 0 | 0.0% |
| 11-12 | 52 | 31 | 0.0% | | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 30 | 0.0% | 0 | 0.0% |
| 12-13 | 35 | 13 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 13 | 0.0% | 0 | 0.0% |
| 13-14 | 33 | 12 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 12 | 0.0% | 0 | 0.0% |
| 14-15 | 27 | 6 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 6 | 0.0% | 0 | 0.0% |
| ≥15 | 302 | 11 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 11 | 0.0% | 0 | 0.0% |
| Total | 430,076 | 421,394 | 100.0% | 100.0% | 115,246 | 100% | 102,651 | 100% | 24,730 | 100% | 37,385 | 100% | 3,804 | 100% | 70,319 | 100% | 67,259 | 100% |
| Max | 66mSv | 25mSv | | | 11mSv | | 5.9mSv | | 2.6mSv | | 3.6mSv | | 1.9mSv | | 25mSv | | 5.9mSv | |
| Mean value | 0.9mSv | 0.8mSv | | | 1.4mSv | | 1.0mSv | | 0.6mSv | | 0.2mSv | | 0.1mSv | | 0.8mSv | | 0.3mSv | |

*Including Yamakiya of Kawamata.

Percentages have been rounded and may not total to 100%.

**Including Namie and Itate.

Table C (Table A-Table B) Estimated for less than four months.

As of 30 June 2014

| Effective Dose (mSv) | Total | Excluding radiation workers | | | By region | | | | | | | | | | | | | |
|----------------------|--------|-----------------------------|--------|--------|-----------|-------|--------|-------|--------|-------|-------|-------|-------------|-------|--------|-------|--------|-------|
| | | | | | Kempoku* | | Kenchu | | Kennan | | Aizu | | Minami-aizu | | Soso** | | Iwaki | |
| <1 | 69,997 | 69,047 | 89.6% | 98.5% | 18,412 | 81.6% | 16,913 | 89.5% | 4,439 | 98.6% | 8,987 | 99.8% | 1,043 | 99.9% | 8,420 | 82.3% | 10,833 | 99.9% |
| 1-2 | 7,041 | 6,863 | 8.9% | 99.8% | 3,827 | 17.0% | 1,836 | 9.7% | 61 | 1.4% | 16 | 0.2% | 1 | 0.1% | 1,107 | 10.8% | 15 | 0.1% |
| 2-3 | 813 | 766 | 1.0% | | 268 | 1.2% | 142 | 0.8% | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 355 | 3.5% | 0 | 0.0% |
| 3-4 | 186 | 177 | 0.2% | 5.7% | 30 | 0.1% | 6 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 141 | 1.4% | 0 | 0.0% |
| 4-5 | 93 | 90 | 0.1% | 0.2% | 9 | 0.0% | 2 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 78 | 0.8% | 1 | 0.0% |
| 5-6 | 73 | 67 | 0.1% | | 10 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 57 | 0.6% | 0 | 0.0% |
| 6-7 | 37 | 36 | 0.0% | 0.1% | 2 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 34 | 0.3% | 0 | 0.0% |
| 7-8 | 18 | 16 | 0.0% | | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 15 | 0.1% | 0 | 0.0% |
| 8-9 | 12 | 9 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 9 | 0.1% | 0 | 0.0% |
| 9-10 | 9 | 5 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 5 | 0.0% | 0 | 0.0% |
| 10-11 | 10 | 9 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 9 | 0.1% | 0 | 0.0% |
| 11-12 | 1 | 0 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 12-13 | 4 | 0 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 13-14 | 2 | 1 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 0.0% | 0 | 0.0% |
| 14-15 | 3 | 2 | 0.0% | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 2 | 0.0% | 0 | 0.0% |
| ≥15 | 13 | 1 | 0.0% | | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 0.0% | 0 | 0.0% |
| Total | 78,312 | 77,089 | 100.0% | 100.0% | 22,559 | 100% | 18,899 | 100% | 4,501 | 100% | 9,003 | 100% | 1,044 | 100% | 10,234 | 100% | 10,849 | 100% |
| Max | — | — | | | — | | — | | — | | — | | — | | — | | — | |
| Mean value | — | — | | | — | | — | | — | | — | | — | | — | | — | |

*Including Yamakiya of Kawamata.

Percentages have been rounded and may not total to 100%.

**Including Namie and Itate.

Estimated external radiation dose by age group (excluding radiation workers)

| Effective Dose (mSv) | Age at the time of the disaster | | | | | | | | | Total |
|------------------------|---------------------------------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| | 0 - 9 | 10 - 19 | 20 - 29 | 30 - 39 | 40 - 49 | 50 - 59 | 60 - 69 | 70 - 79 | 80 - | |
| <1 | 40,902 | 36,957 | 19,572 | 31,397 | 26,403 | 30,692 | 34,125 | 24,373 | 16,719 | 261,140 |
| 1-2 | 19,529 | 17,869 | 9,374 | 16,982 | 15,813 | 17,861 | 18,719 | 11,854 | 6,847 | 134,848 |
| 2-3 | 5,289 | 3,297 | 1,032 | 2,151 | 2,087 | 2,789 | 3,231 | 1,904 | 820 | 22,600 |
| 3-4 | 216 | 137 | 76 | 147 | 143 | 224 | 216 | 156 | 67 | 1,382 |
| 4-5 | 19 | 45 | 36 | 40 | 76 | 90 | 77 | 72 | 39 | 494 |
| 5-6 | 13 | 14 | 26 | 32 | 42 | 83 | 73 | 63 | 27 | 373 |
| 6-7 | 4 | 5 | 11 | 21 | 24 | 44 | 51 | 44 | 21 | 225 |
| 7-8 | 3 | 6 | 7 | 8 | 13 | 34 | 22 | 14 | 7 | 114 |
| 8-9 | 2 | 4 | 3 | 8 | 7 | 15 | 14 | 10 | 10 | 73 |
| 9-10 | 0 | 1 | 1 | 2 | 4 | 12 | 11 | 5 | 3 | 39 |
| 10-11 | 1 | 1 | 1 | 2 | 5 | 11 | 3 | 6 | 3 | 33 |
| 11-12 | 0 | 0 | 1 | 3 | 0 | 6 | 8 | 11 | 2 | 31 |
| 12-13 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 1 | 1 | 13 |
| 13-14 | 0 | 0 | 1 | 1 | 1 | 4 | 3 | 2 | 0 | 12 |
| 14-15 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 6 |
| ≥15 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 1 | 2 | 11 |
| Total | 65,978 | 58,336 | 30,141 | 50,794 | 44,621 | 51,876 | 56,564 | 38,516 | 24,568 | 421,394 |

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

| Effective Dose (mSv) | By sex | | | | Total | Proportion (%) |
|------------------------|---------|----------------|---------|----------------|---------|----------------|
| | Male | Proportion (%) | Female | Proportion (%) | | |
| <1 | 116,202 | 60.3 | 144,938 | 63.4 | 261,140 | 62.0 |
| 1-2 | 62,493 | 32.4 | 72,355 | 31.6 | 134,848 | 32.0 |
| 2-3 | 12,315 | 6.4 | 10,285 | 4.5 | 22,600 | 5.4 |
| 3-4 | 889 | 0.5 | 493 | 0.2 | 1,382 | 0.3 |
| 4-5 | 276 | 0.1 | 218 | 0.1 | 494 | 0.1 |
| 5-6 | 191 | 0.1 | 182 | 0.1 | 373 | 0.1 |
| 6-7 | 125 | 0.1 | 100 | 0.0 | 225 | 0.1 |
| 7-8 | 67 | 0.0 | 47 | 0.0 | 114 | 0.0 |
| 8-9 | 43 | 0.0 | 30 | 0.0 | 73 | 0.0 |
| 9-10 | 23 | 0.0 | 16 | 0.0 | 39 | 0.0 |
| 10-11 | 20 | 0.0 | 13 | 0.0 | 33 | 0.0 |
| 11-12 | 17 | 0.0 | 14 | 0.0 | 31 | 0.0 |
| 12-13 | 6 | 0.0 | 7 | 0.0 | 13 | 0.0 |
| 13-14 | 8 | 0.0 | 4 | 0.0 | 12 | 0.0 |
| 14-15 | 3 | 0.0 | 3 | 0.0 | 6 | 0.0 |
| ≥15 | 8 | 0.0 | 3 | 0.0 | 11 | 0.0 |
| Total | 192,686 | 100.0 | 228,708 | 100.0 | 421,394 | 100.0 |

Percentages have been rounded and may not total to 100%.

As of 30 June 2014

Estimated external radiation doses by region in the first four months (from March 11 through July 11) excluding radiation workers

| Area/region | | Effective Doses (mSv) | | | | | | | | | | | | | | | Total | | |
|-----------------------------|---------------|-------------------------|----------------|---------------|--------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------------|-------|
| | | <1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | | ≥15 | |
| Kempoku | Fukushima | 15,402 | 48,689 | 8,309 | 130 | 12 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72,554 | |
| | Nihonmatsu | 1,258 | 7,844 | 3,057 | 83 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,243 | |
| | Date | 4,136 | 8,410 | 1,068 | 144 | 8 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13,773 | |
| | Motomiya | 685 | 4,757 | 1,007 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,470 | |
| | Kori | 303 | 2,629 | 63 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,998 | |
| | Kunimi | 910 | 1,335 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,257 | |
| | Kawamata | 613 | 2,634 | 174 | 52 | 17 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3,499 | |
| | Otama | 362 | 967 | 121 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,452 | |
| Kempoku Subtotal | | 23,669 | 77,265 | 13,811 | 433 | 39 | 16 | 10 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 115,246 | |
| Kenchu | Koriyama | 22,258 | 36,638 | 6,733 | 359 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65,995 | |
| | Sukagawa | 9,763 | 2,880 | 289 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,936 | |
| | Tamura | 6,958 | 641 | 22 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,624 | |
| | Kagamiishi | 2,161 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,228 | |
| | Tenei | 321 | 459 | 42 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 823 | |
| | Ishikawa | 2,955 | 36 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,992 | |
| | Tamakawa | 1,093 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,112 | |
| | Hirata | 1,205 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,239 | |
| | Asakawa | 1,107 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,122 | |
| | Furudono | 986 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,001 | |
| Miharu | 2,918 | 737 | 22 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,679 | | |
| Ono | 1,822 | 76 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,900 | | |
| Kenchu Subtotal | | 53,547 | 41,613 | 7,115 | 369 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102,651 | |
| Kennan | Shirakawa | 9,643 | 958 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,606 | |
| | Nishigo | 2,069 | 1,699 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,770 | |
| | Izumizaki | 967 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 986 | |
| | Nakajima | 729 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 738 | |
| | Yabuki | 3,066 | 75 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,142 | |
| | Tanagura | 2,248 | 28 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,279 | |
| | Yamatsuri | 1,039 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,047 | |
| | Hanawa | 1,536 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,557 | |
| Samegawa | 595 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 605 | | |
| Kennan Subtotal | | 21,892 | 2,826 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24,730 | |
| Aizu | Aizuwakamatsu | 19,370 | 135 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19,511 | |
| | Kitakata | 6,183 | 43 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,228 | |
| | Kitashiobara | 397 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 | |
| | Nishiaizu | 895 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 897 | |
| | Bandai | 547 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 557 | |
| | Inawashiro | 2,539 | 26 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,568 | |
| | Aizubange | 2,267 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,279 | |
| | Yugawa | 493 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 496 | |
| | Yanaizu | 461 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 465 | |
| | Mishima | 221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 221 | |
| | Kaneyama | 372 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 374 | |
| | Showa | 229 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 230 | |
| Aizumisato | 3,140 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,159 | | |
| Aizu Subtotal | | 37,114 | 254 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37,385 | |
| Minami-aizu | Shimogo | 817 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 822 | |
| | Hinoemata | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 | |
| | Tadami | 717 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 721 | |
| | Minami-aizu | 2,144 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,164 | |
| Minami-aizu Subtotal | | 3,775 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,804 | |
| Soso | Soma | 9,525 | 424 | 85 | 20 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10,061 | |
| | Minami-soma | 18,647 | 6,046 | 493 | 95 | 35 | 3 | 6 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 25,331 | |
| | Hirono | 1,799 | 52 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,855 | |
| | Naraha | 3,312 | 125 | 13 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,454 | |
| | Tomioka | 5,757 | 1,095 | 98 | 18 | 3 | 2 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6,979 | |
| | Kawauchi | 949 | 345 | 16 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,314 | |
| | Okuma | 3,280 | 1,243 | 104 | 16 | 6 | 4 | 4 | 3 | 0 | 2 | 2 | 1 | 0 | 4 | 0 | 1 | 4,670 | |
| | Futaba | 2,644 | 463 | 72 | 18 | 6 | 4 | 3 | 6 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 3,222 | |
| | Namie | 5,855 | 1,972 | 354 | 64 | 37 | 17 | 15 | 12 | 9 | 5 | 10 | 8 | 5 | 4 | 3 | 6 | 8,376 | |
| | Katsurao | 493 | 158 | 24 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 680 | |
| | Shinchi | 2,052 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,072 | |
| litate | 196 | 323 | 360 | 338 | 357 | 321 | 184 | 84 | 57 | 29 | 21 | 17 | 8 | 4 | 3 | 3 | 2,305 | | |
| Soso Subtotal | | 54,509 | 12,266 | 1,621 | 576 | 449 | 354 | 215 | 113 | 72 | 39 | 33 | 30 | 13 | 12 | 6 | 11 | 70,319 | |
| Iwaki | Iwaki | 66,634 | 595 | 25 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67,259 | |
| Total | | 261,140 | 134,848 | 22,600 | 1,382 | 494 | 373 | 225 | 114 | 73 | 39 | 33 | 31 | 13 | 12 | 6 | 11 | 421,394 | |
| Proportion (%) | | 62.0 | 32.0 | 5.4 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | |
| | | 94.0 | | 5.7 | | | | 0.1 | | 0.0 | | | 0.0 | | 0.0 | | | 0.0 | 100.0 |
| | | | | 99.8 | | | | 0.2 | | | | | 0.0 | | 0.0 | | | | 0.0 |
| Visitors | | 1,319 | 261 | 18 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,600 | |
| Total+Visitors | | 262,459 | 135,109 | 22,618 | 1,384 | 494 | 373 | 225 | 114 | 73 | 39 | 33 | 31 | 13 | 12 | 6 | 11 | 422,994 | |

Percentages have been rounded and may not total to 100%.

Interim Report of Thyroid Ultrasound Examination (Initial Screening)

Reported on 24 August 2014

Revised on 17 February and 5 June 2015

1. Summary

1.1 Purpose

One of the health problems caused by the Chernobyl nuclear power plant accident was thyroid cancer in childhood caused by internal exposure to radioactive iodine.

In response to the Tokyo Electric Power Company's (TEPCO's) Fukushima Daiichi nuclear accident, Fukushima Prefecture started a Thyroid Ultrasound Examination program to protect the health of children over their lifetimes.

Initial Screening aims to check the baseline condition of participants' thyroid glands.

1.2 Group

Residents of Fukushima Prefecture, including visitors, as of 11 March 2011, aged 0-18 years (born between 2 April 1990 and 1 April 2011).

1.3 Implementation Period

The Initial Screening started from 9 October 2011 and was planned to end on 31 March 2014, but we continued these examinations until notice of the Full-scale Thyroid Screening program was sent to residents. The data tabulation period lasted to 30 June 2014.

We continue to conduct confirmatory testing on the basis of the primary test results.

1.4 Responsible Organizations

Fukushima Prefecture commissioned Fukushima Medical University to conduct the survey in cooperation with institutions inside and outside Fukushima Prefecture.

We started the primary examination from 1 November 2012 outside Fukushima, and 87 institutions have agreed to cooperate as of 30 June 2014.

The confirmatory examination has been conducted in Koriyama and Iwaki in Fukushima Prefecture from July 2013, Aizuwakamatsu from August 2014, and several institutions outside Fukushima Prefecture from November 2013.

1.5 Method

1.5-1 Primary Examination

We used ultrasonography for examination of the thyroid gland.

Assessments were made by specialists on the basis of the following criteria.

-Diagnostic Criteria: A

Those with A1 and A2 test results were advised to take the next examination starting from April 2014.

(A1) No nodules / cysts

(A2) Nodules ≤ 5.0 mm or cysts ≤ 20.0 mm

-Diagnostic Criteria: B

Those with B test result are advised to take the Confirmatory Examination.

(B) Nodules ≥ 5.1 mm or cysts ≥ 20.1 mm

Some A2 test results may be classified as B results when clinically indicated.

-Diagnostic Criteria: C

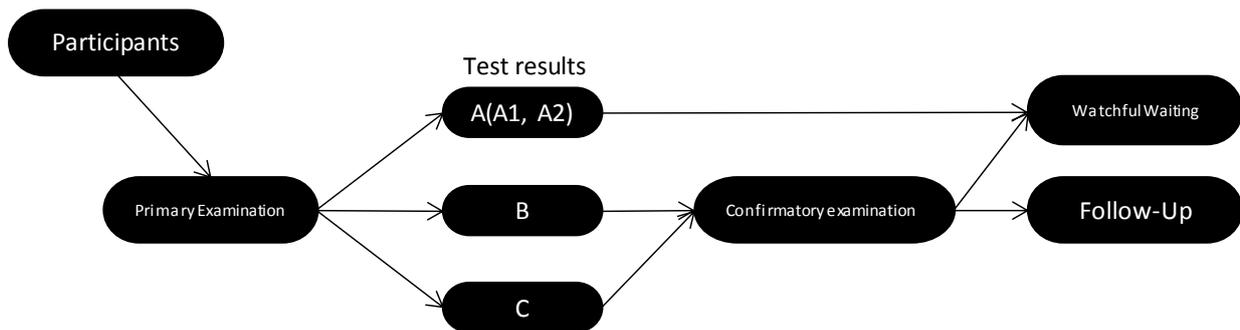
Those with C test result are advised to take the Confirmatory Examination.

(C) Immediate need for confirmatory examination.

1.5-2 Confirmatory Examination

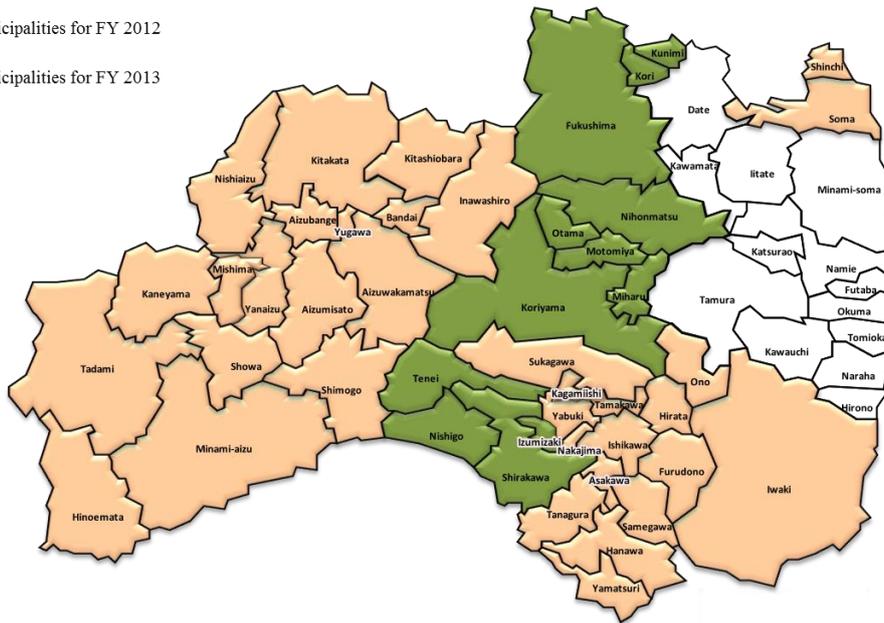
We conduct fine-needle aspiration cytology (FNAC), blood test, and urine test for those with B or C test results.

1.5-3 Flow chart



1.6 Target Municipalities

-  13 target municipalities for FY 2011
-  12 target municipalities for FY 2012
-  34 target municipalities for FY 2013



2.1 Results

2.1-1 Primary Examination

The participation rate as of 30 June 2014 is 80.5% (296,026/367,707). See Appendix 2 and 3.

The results have been returned to 99.9% of the 295,689 participants (Appendix 4 and 5).

Those with A1 or A2 test results were 293,452 (99.2%), B were 2,236 (0.8%), and C were 1.

Table 1. Screening test coverage as of 30 June 2014

| | Target Population a | Participants | | Proportion (%) c (c/b) | Test results | | | |
|---------|------------------------|---------------------------|----------------------------|---------------------------|----------------|----------------|-----------------------------|-----------|
| | | Proportion (%) b (b/a) | Screened outside Fukushima | | Class | | | |
| | | | | | A | | Requiring confirmatory test | |
| | | | | | A1 d (d/c) | A2 e (e/c) | B f (f/c) | C g (g/c) |
| FY 2011 | 47,780 | 41,813 (87.5) | 2,025 | 41,813 (100.0) | 26,375 (63.1) | 15,217 (36.4) | 221 (0.5) | 0 (0.0) |
| FY 2012 | 161,144 | 139,209 (86.4) | 4,231 | 139,093 (99.9) | 76,091 (54.7) | 62,016 (44.6) | 985 (0.7) | 1 (0.0) |
| FY 2013 | 158,783 | 115,004 (72.4) | 2,939 | 114,783 (99.8) | 49,923 (43.5) | 63,830 (55.6) | 1,030 (0.9) | 0 (0.0) |
| Total | 367,707 | 296,026 (80.5) | 9,195 | 295,689 (99.9) | 152,389 (51.5) | 141,063 (47.7) | 2,236 (0.8) | 1 (0.0) |

Table 2. Number and proportion of children with nodules/cysts as of 30 June 2014

| | Number of confirmed screening results a | Number and proportions of children with nodules/cysts | | | |
|---------|--|---|-------------------|--------------------|--------------------|
| | | Nodules | | Cysts | |
| | | ≥5.1mm b (b/a) | ≤5.0mm c (c/a) | ≥20.1mm d (d/a) | ≤20.0mm e (e/a) |
| FY 2011 | 41,813 | 219 (0.5) | 232 (0.6) | 1 (0.0) | 15,141 (36.2) |
| FY 2012 | 139,093 | 971 (0.7) | 728 (0.5) | 9 (0.0) | 62,129 (44.7) |
| FY 2013 | 114,783 | 1,028 (0.9) | 710 (0.6) | 2 (0.0) | 64,117 (55.9) |
| Total | 295,689 | 2,218 (0.8) | 1,670 (0.6) | 12 (0.0) | 141,387 (47.8) |

Fractions have been rounded and may not total to 100%.

2.1-2 Confirmatory Examination

The number of participants with B or C test results who required further testing is 2,237, of whom 1,951 (87.2%) underwent the confirmatory testing. Among them, 1,848 (94.7%) have completed the tests (Appendix 6).

Of 1,848 children, 623 (33.7%), specifically 109 with A1 and 514 with A2 results (Table 3), were recommended for watchful waiting.

Of 1, 225 (66.3%) needed 6 to 12 months follow-up, 485 (39.6%) underwent FNAC.

Table 3. Confirmatory testing coverage and results as of 30 June 2014

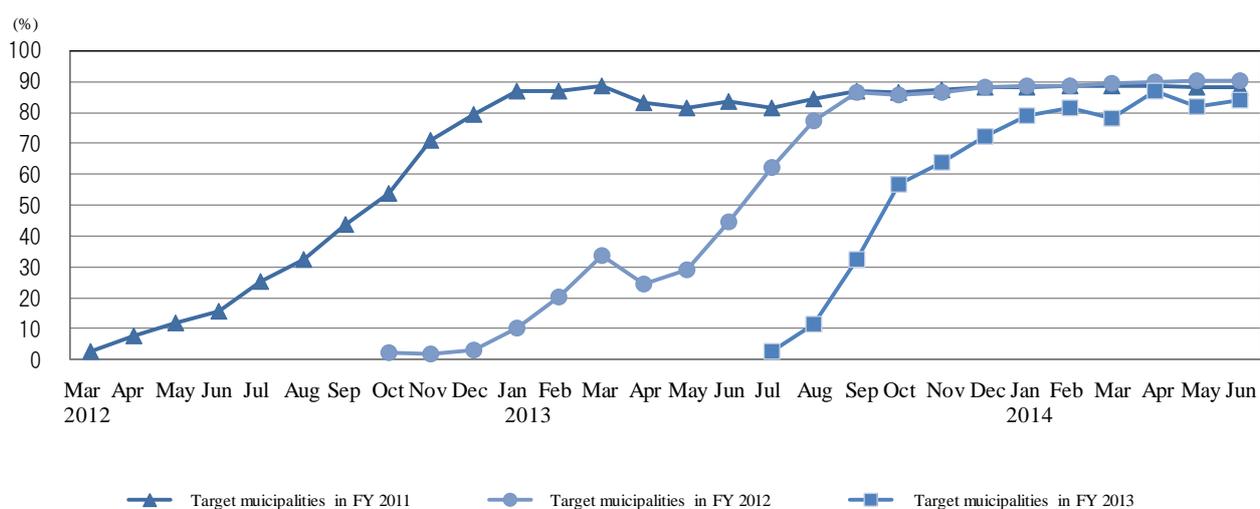
| | Number of children requiring confirmatory test a | Participants Proportion (%) b (b/a) | Confirmatory test coverage (%) c (c/b) | Confirmed test results | | | |
|---------|---|---|---|------------------------|---------------|-------------------|---------------------|
| | | | | Next screening advised | | Follow-up advised | |
| | | | | A1 d (d/c) | A2 e (e/c) | f (f/c) | Cytology g (g/f) |
| FY 2011 | 221 | 195 (88.2) | 191 (97.9) | 12 (6.3) | 41 (21.5) | 138 (72.3) | 90 (65.2) |
| FY 2012 | 986 | 891 (90.4) | 864 (97.0) | 52 (6.0) | 232 (26.9) | 580 (67.1) | 255 (44.0) |
| FY 2013 | 1,030 | 865 (84.0) | 793 (91.7) | 45 (5.7) | 241 (30.4) | 507 (63.9) | 140 (27.6) |
| Total | 2,237 | 1,951 (87.2) | 1,848 (94.7) | 109 (5.9) | 514 (27.8) | 1,225 (66.3) | 485 (39.6) |

Priority was given to those in urgent clinical need.

Those confirmed within the range of A1 and A2 (including those with other thyroid conditions) were advised to take the next examination.

Those who require 6- or 12-month follow-up provided by health insurance and those beyond the specified level of A2 were categorized as "Follow-up advised".

Fig. 3 Proportion of first visits for confirmatory testing



2.2 Fine Needle Aspiration Biopsy and Cytology (FNAC)

2.2-1 Aspiration biopsy cytology results as of 30 June 2014

Those who were not diagnosed as suspicious or malignant were recommended for 6- to 12-months follow-up.

Target municipalities in FY 2011

| | |
|-------------------------|--|
| Suspicious or malignant | 15 (13 surgical cases: 1 of benign thyroid nodules; 11 of papillary thyroid carcinoma; 1 poorly differentiated thyroid carcinoma) |
| Male to female ratio | 5:10 |
| Mean age (SD, min-max) | 17.3 (2.0, 13-20) 15.7 (1.9, 11-18) at the time of the disaster |
| Mean tumor size | 14.1 mm (6.6 mm, 6.0-33.0 mm) |

Target municipalities in FY 2012

| | |
|-------------------------|--|
| Suspicious or malignant | 54 (41 surgical cases: 41 of papillary thyroid carcinoma) |
| Male to female ratio | 21:33 |
| Mean age (SD, min-max) | 17.2 (2.7, 8-21) 14.9 (2.6, 6-18) at the time of the disaster |
| Mean tumor size | 14.5 mm (7.9 mm, 5.2-40.5 mm) |

Target municipalities in FY 2013

| | |
|-------------------------|--|
| Suspicious or malignant | 35 (4 surgical cases: 3 of papillary thyroid carcinoma; 1 poorly differentiated thyroid carcinoma) |
| Male to female ratio | 10:25 |
| Mean age (SD, min-max) | 16.9 (3.0, 11-21) 14.2 (2.9, 8-18 at the time of the disaster) |
| Mean tumor size | 13.7 mm (7.2 mm, 5.1-35.9 mm) |

Total for cases FY 2011 – FY 2013

| | |
|-------------------------|--|
| Suspicious or malignant | 104 (58 surgical cases: 1 of benign thyroid nodules; 55 of papillary thyroid carcinoma; 2 poorly differentiated thyroid carcinoma) |
| Male to female ratio | 36:68 |
| Mean age(SD, min-max) | 17.1 (2.7, 8-21) 14.8 (2.6, 6-18) at the time of the disaster |
| Mean tumor size | 14.2 mm (7.5 mm, 5.1-40.5 mm) |

2.2-2 Indication of surgery

In Japan, if a participant suspicious for thyroid carcinoma with preoperative diagnosis of thyroid nodules $\geq 10\text{mm}$, metastasis of the lymph node, thyroid capsule invasion, or distant metastasis, we consider it these as absolute indications for surgery. Nodules $\leq 10\text{mm}$ are considered minute cancer and adults require follow-up. However, if metastasis to the lymph node, thyroid capsule invasion, or distant metastasis were found, or the nodules were close to recurrent nerve or trachea, these are considered indications for surgery.

In our survey, those with B and C test results from the primary examination undergo confirmatory examination and are recommended for FNAC if needed. When diagnosed as suspicious or malignant, the participants are treated with informed consent on the basis of the above criteria.

2.2-3 Suspicious or malignant cases on FNAC by age and sex

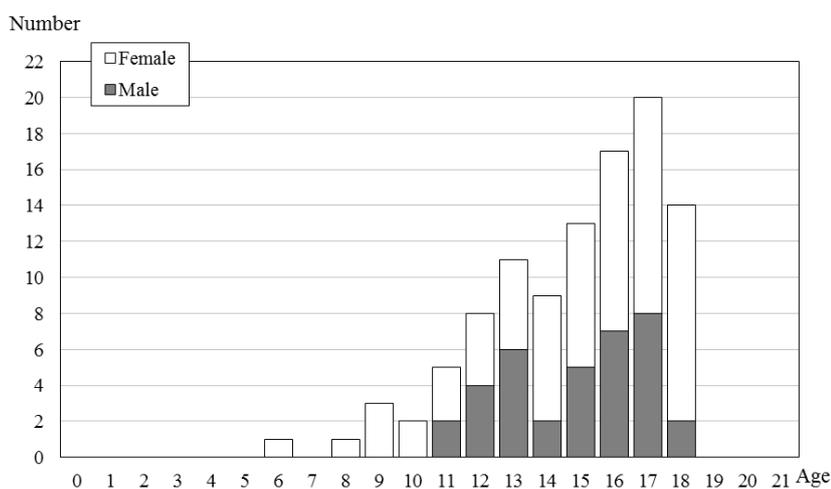


Fig.4 Age as of 11 March 2011

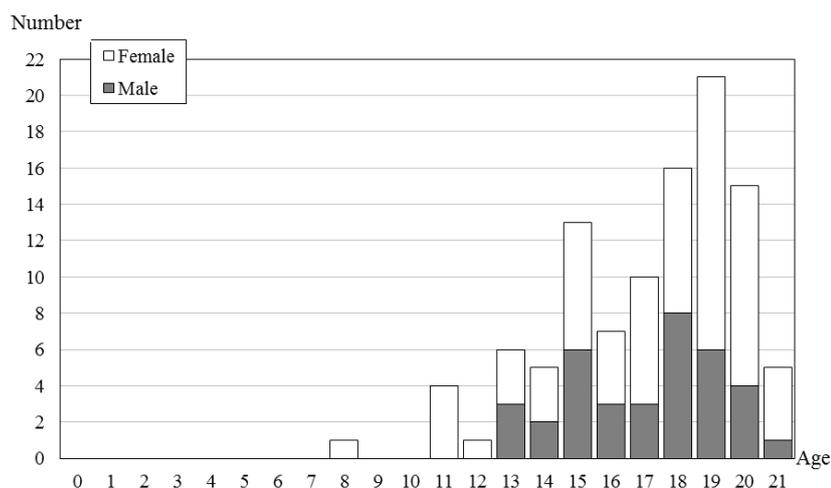


Fig. 5 Age as the date of confirmatory examination

2.2-4 Suspicious or malignant cases on FNAC by estimated radiation dose

Fifty-seven of the 104 cases (54.8%) participated in the Basic Survey (radiation dose estimates) and 43 of them, including 5 with less than four months' data, have received the results. Among those, 29 (67.4%) had estimated radiation exposure dose below 1 mSv, and the highest effective dose was 2.2 mSv.

Table 5. Number of suspicious or malignant cases by age and sex

| Effective dose (mSv) | Sex | Age at the time of disaster | | | | Total |
|----------------------|--------|-----------------------------|------|-------|-------|-------|
| | | 0-5 | 6-10 | 11-15 | 16-18 | |
| <0.5 | Male | 0 | 0 | 1 | 3(1) | 4(1) |
| | Female | 0 | 2(1) | 4 | 8(2) | 14(3) |
| 0.5-1.0 | Male | 0 | 0 | 3(1) | 2 | 5(1) |
| | Female | 0 | 1 | 0 | 5 | 6 |
| 1.0-1.5 | Male | 0 | 0 | 2 | 1 | 3 |
| | Female | 0 | 0 | 4 | 1 | 5 |
| 1.5-2.0 | Male | 0 | 0 | 1 | 0 | 1 |
| | Female | 0 | 0 | 2 | 2 | 4 |
| 2.0-2.5 | Male | 0 | 0 | 1 | 0 | 1 |
| | Female | 0 | 0 | 0 | 0 | 0 |
| Total | Male | 0 | 0 | 8(1) | 6(1) | 14(2) |
| | Female | 0 | 3(1) | 10 | 16(2) | 29(3) |

Numbers inside the brackets are estimates for participants with less than four months' data.

2.2-5 Blood and urinary iodine test results as of 30 June 2014

Table 6. Blood test results Mean±SD (Abnormality ratio)

| | FT4 1) (ng/dL) | FT3 2) (pg/mL) | TSH 3) (μIU/mL) | Tg 4) (ng/mL) | TgAb 5) (IU/mL) | TPOAb 6) (IU/mL) |
|-----------------------------|-------------------|-------------------|--------------------|----------------------|--------------------|---------------------|
| Reference Range | 0.95-1.74 | 2.13-4.07 7) | 0.340-3.880 | ≤32.7 | <28.0 | <16.0 |
| 104 suspicious or malignant | 1.2 ± 0.2 (2.9%) | 3.4 ± 0.4 (0.0%) | 1.3 ± 0.7 (3.8%) | 38.8 ± 79.9 (35.6%) | — (27.9%) | — (15.4%) |
| Other 1,845 | 1.3 ± 0.3 (3.6%) | 3.6 ± 0.9 (1.5%) | 1.8 ± 12.4 (6.2%) | 33.6 ± 184.7 (17.5%) | — (13.2%) | — (9.6%) |

Table 7. Urinary iodine (μg/day)

| | Minimum | 25th percentile | Median | 75th percentile | Maximum |
|-----------------------------|---------|-----------------|--------|-----------------|---------|
| 104 suspicious or malignant | 42 | 134 | 230 | 370 | 6,020 |
| Other 1,843 | 24 | 121 | 198 | 368 | 35,700 |

- 1) FT4: Free Thyroxine; higher among patients with Graves' disease and lower with Hashimoto's disease.
- 2) FT3: Free Triiodothyronine; higher among patients with Graves' disease and lower with Hashimoto's disease.
- 3) TSH: Thyroid Stimulating Hormone; higher among patients with Hashimoto's disease and lower with Graves' disease.
- 4) Tg: Thyroglobulin; higher when thyroid tissue is destroyed or when thyroid cancer produces thyroglobulin.
- 5) TgAb: Anti-Thyroglobulin Antibody; higher among patients with Hashimoto's disease and Graves' disease.
- 6) TPOAb: Anti-Thyroid Peroxidase Antibody; higher among patients with Hashimoto's disease or Graves' disease.
- 7) Reference range differs according to age.

2.2-6 Confirmatory test results by municipality as of 30 June 2014

The proportion of suspicious or malignant is 0.03% in FY 2011 target municipalities (13 municipalities in the nationally designated evacuation zones), 0.04% in FY 2012 target municipalities (12 towns of the Kenchu area), and 0.03% in FY 2013 target municipalities (34 towns of the Iwaki, Kennan, and Aizu areas).

Table 8.

Confirmatory test results in FY 2011 (13 municipalities in the nationally designated evacuation zones)

| | Number of children screened | Number who required confirmatory test | Proportion who required confirmatory test (%) | Number who underwent confirmatory test | Suspicious or malignant cases 1) | Proportion of suspicious or malignant cases (%) |
|-------------|-----------------------------|---------------------------------------|---|--|----------------------------------|---|
| Kawamata | 2,221 | 8 | 0.4 | 8 | 2 | 0.09 |
| Namie | 3,249 | 26 | 0.8 | 23 | 2 | 0.06 |
| Iitate | 943 | 6 | 0.6 | 6 | 0 | 0.00 |
| Minami-soma | 10,789 | 52 | 0.5 | 48 | 2 | 0.02 |
| Date | 10,606 | 50 | 0.5 | 44 | 2 | 0.02 |
| Tamura | 6,327 | 32 | 0.5 | 25 | 3 | 0.05 |
| Hirono | 838 | 5 | 0.6 | 4 | 0 | 0.00 |
| Naraha | 1,153 | 7 | 0.6 | 6 | 0 | 0.00 |
| Tomioka | 2,302 | 13 | 0.6 | 12 | 1 | 0.04 |
| Kawauchi | 280 | 4 | 1.4 | 4 | 1 | 0.36 |
| Okuma | 1,973 | 14 | 0.7 | 12 | 1 | 0.05 |
| Futaba | 949 | 3 | 0.3 | 2 | 0 | 0.00 |
| Katsurao | 183 | 1 | 0.5 | 1 | 0 | 0.00 |
| Subtotal | 41,813 | 221 | 0.5 | 195 | 14 | 0.03 |

1) Excluding one suspected case found benign by aspiration biopsy cytology.

Confirmatory test results by municipality in FY 2012

| | Number of children screened | Number who required confirmatory test | Proportion who required confirmatory test (%) | Number who underwent confirmatory test | Suspicious or malignant cases | Proportion of suspicious or malignant cases (%) |
|------------|-----------------------------|---------------------------------------|---|--|-------------------------------|---|
| Fukushima | 47,336 | 283 | 0.6 | 266 | 12 | 0.03 |
| Nihonmatsu | 8,846 | 55 | 0.6 | 52 | 5 | 0.06 |
| Motomiya | 5,233 | 29 | 0.6 | 28 | 3 | 0.06 |
| Otama | 1,372 | 7 | 0.5 | 7 | 2 | 0.15 |
| Koriyama | 53,962 | 458 | 0.8 | 398 | 23 | 0.04 |
| Kori | 1,857 | 14 | 0.8 | 11 | 0 | 0.00 |
| Kunimi | 1,429 | 15 | 1.0 | 13 | 0 | 0.00 |
| Tenei | 878 | 7 | 0.8 | 6 | 0 | 0.00 |
| Shirakawa | 10,805 | 61 | 0.6 | 58 | 6 | 0.06 |
| Nishigo | 3,618 | 30 | 0.8 | 26 | 1 | 0.03 |
| Izumizaki | 1,156 | 5 | 0.4 | 5 | 1 | 0.09 |
| Miharu | 2,717 | 22 | 0.8 | 21 | 1 | 0.04 |
| Subtotal | 139,209 | 986 | 0.7 | 891 | 54 | 0.04 |

Confirmatory test results by municipality in FY 2013

| | Number of children screened | Number who required confirmatory test | Proportion who required confirmatory test (%) | Number who underwent confirmatory test | Suspicious or malignant cases | Proportion of suspicious or malignant cases (%) |
|---------------|-----------------------------|---------------------------------------|---|--|-------------------------------|---|
| Iwaki* | 47,759 | 429 | 0.9 | 364 | 19 | 0.04 |
| Sukagawa | 11,532 | 101 | 0.9 | 96 | 4 | 0.03 |
| Soma | 5,046 | 46 | 0.9 | 41 | 0 | 0.00 |
| Kagamiishi | 1,947 | 9 | 0.5 | 7 | 0 | 0.00 |
| Shinchi | 1,105 | 7 | 0.6 | 7 | 0 | 0.00 |
| Nakajima | 801 | 2 | 0.2 | 2 | 0 | 0.00 |
| Yabuki | 2,452 | 17 | 0.7 | 12 | 0 | 0.00 |
| Ishikawa | 2,078 | 11 | 0.5 | 10 | 1 | 0.05 |
| Yamatsuri | 774 | 3 | 0.4 | 2 | 0 | 0.00 |
| Asakawa | 1,067 | 12 | 1.1 | 10 | 0 | 0.00 |
| Hirata | 824 | 9 | 1.1 | 8 | 1 | 0.12 |
| Tanagura | 2,256 | 22 | 1.0 | 22 | 1 | 0.04 |
| Hanawa | 1,210 | 8 | 0.7 | 6 | 0 | 0.00 |
| Samegawa | 503 | 3 | 0.6 | 1 | 0 | 0.00 |
| Ono | 1,317 | 14 | 1.1 | 12 | 0 | 0.00 |
| Tamakawa | 984 | 10 | 1.0 | 8 | 0 | 0.00 |
| Furudono | 790 | 6 | 0.8 | 6 | 0 | 0.00 |
| Hinoemata | 61 | 0 | 0.0 | 0 | 0 | 0.00 |
| Minami-aizu | 1,803 | 16 | 0.9 | 14 | 0 | 0.00 |
| Kaneyama | 136 | 0 | 0.0 | 0 | 0 | 0.00 |
| Showa | 101 | 0 | 0.0 | 0 | 0 | 0.00 |
| Mishima | 129 | 1 | 0.8 | 1 | 0 | 0.00 |
| Shimogo | 688 | 10 | 1.5 | 8 | 1 | 0.15 |
| Kitakata | 5,710 | 46 | 0.8 | 35 | 0 | 0.00 |
| Nishiaizu | 638 | 5 | 0.8 | 4 | 0 | 0.00 |
| Tadami | 492 | 7 | 1.4 | 6 | 0 | 0.00 |
| Inwashiro | 1,871 | 13 | 0.7 | 10 | 1 | 0.05 |
| Bandai | 413 | 4 | 1.0 | 3 | 0 | 0.00 |
| Kitashiobara | 382 | 1 | 0.3 | 1 | 0 | 0.00 |
| Aizumisato | 2,547 | 26 | 1.0 | 19 | 0 | 0.00 |
| Aizubange | 2,074 | 25 | 1.2 | 21 | 1 | 0.05 |
| Yanaizu | 375 | 2 | 0.5 | 2 | 0 | 0.00 |
| Aizuwakamatsu | 14,632 | 158 | 1.1 | 122 | 5 | 0.03 |
| Yugawa | 507 | 7 | 1.4 | 5 | 1 | 0.20 |
| Subtotal | 115,004 | 1,030 | 0.9 | 865 | 35 | 0.03 |
| Total | 296,026 | 2,237 | 0.8 | 1,951 | 103 | 0.03 |

* Including districts of FY 2012

3. Primary and confirmatory test results by municipality

In order to compare the results by municipality, we divided the area into three regions, Hamadori, Nakadori, and Aizu. Hamadori and Nakadori are divided into 13 municipalities in the nationally designated evacuation zones and otherwise.

The below is the interim report since the results of the Confirmatory Examination in Aizu area are not fully available yet.

Table 9. Proportion of B or C test results, and suspicious or malignant (Interim report)

| | | 13 municipalities ¹³ | Nakadori ¹⁴ | Hamadori ¹⁵ | Aizu ¹⁶ | Total |
|--|-----------------|---------------------------------|------------------------|------------------------|--------------------|---------|
| Target population | | 47,780 | 199,466 | 70,534 | 49,927 | 367,707 |
| Number of participants of Primary Examination | A ¹⁰ | 41,813 | 167,593 | 53,803 | 32,480 | 295,689 |
| Mean age (SD) Total | | 10.4(5.3) | 10.6(5.1) | 11.1(4.9) | 11.1(4.5) | - |
| Mean age (SD) Female | | 10.4(5.3) | 10.8(5.1) | 11.2(5.0) | 11.2(4.6) | - |
| Mean age (SD) Male | | 10.3(5.2) | 10.5(5.1) | 10.9(4.8) | 10.9(4.4) | - |
| Female (%) | % | 49.6 | 49.3 | 50.0 | 49.7 | - |
| B or C test results | B | 221 | 1,213 | 482 | 321 | 2,237 |
| Proportion of B or C test results | (B/A) % | 0.53 | 0.72 | 0.90 | 0.99 | - |
| Number of participants of Confirmatory Examination | C | 195 | 1,093 | 412 | 251 | 1,951 |
| Proportion of participants | (C/B) % | 88.2 | 90.1 | 85.5 | 78.2 | - |
| Participants of FNAC | D ¹¹ | 93 | 292 | 88 | 36 | 509 |
| Proportion of participants of Confirmatory Examination | (D/C) % | 47.7 | 26.7 | 21.4 | 14.3 | - |
| Proportion of participants of Primary Examination | (D/A) % | 0.22 | 0.17 | 0.16 | 0.11 | - |
| Number of suspicious or malignant | E ¹² | 14 | 61 | 19 | 9 | 103 |
| Proportion | (E/D) % | 15.1 | 20.9 | 21.6 | 25.0 | - |
| Proportion per 100,000 | (E/A) | 33.5 | 36.4 | 35.3 | 27.7 | - |
| | % | (0.034) | (0.036) | (0.035) | (0.028) | - |

10) Excluding duplicates and unconfirmed results.

11) Number of confirmed test results as of 30 June.

12) Excluding one suspected case found benign by aspiration biopsy cytology.

13) Tamura, Minami-soma, Date, Kawamata, Hirono, Naraha, Tomioka, Kawauchi, Okuma, Futaba, Namie, Katsurao, Iitate

14) Fukushima, Koriyama, Shirakawa, Sukagawa, Nihonmatsu, Motomiya, Kori, Kunimi, Otama, Kagamiishi, Tenei, Nishigo, Izumizaki, Nakajima, Yabuki, Tanagura, Yamatsuri, Hanawa, Samegawa, Ishikawa, Tamakawa, Hirata, Asakawa, Furudono, Miharuru, Ono

15) Iwaki, Soma, Shinchi

16) Aizuwakamatsu, Kitakata, Shimogo, Hinoemata, Tadami, Minami-aizu, Kitashiobara, Nishiaizu, Bandai, Inawashiro, Aizubange, Yugawa, Yanaizu, Mishima, Kaneyama, Showa, Aizumisato

Summary

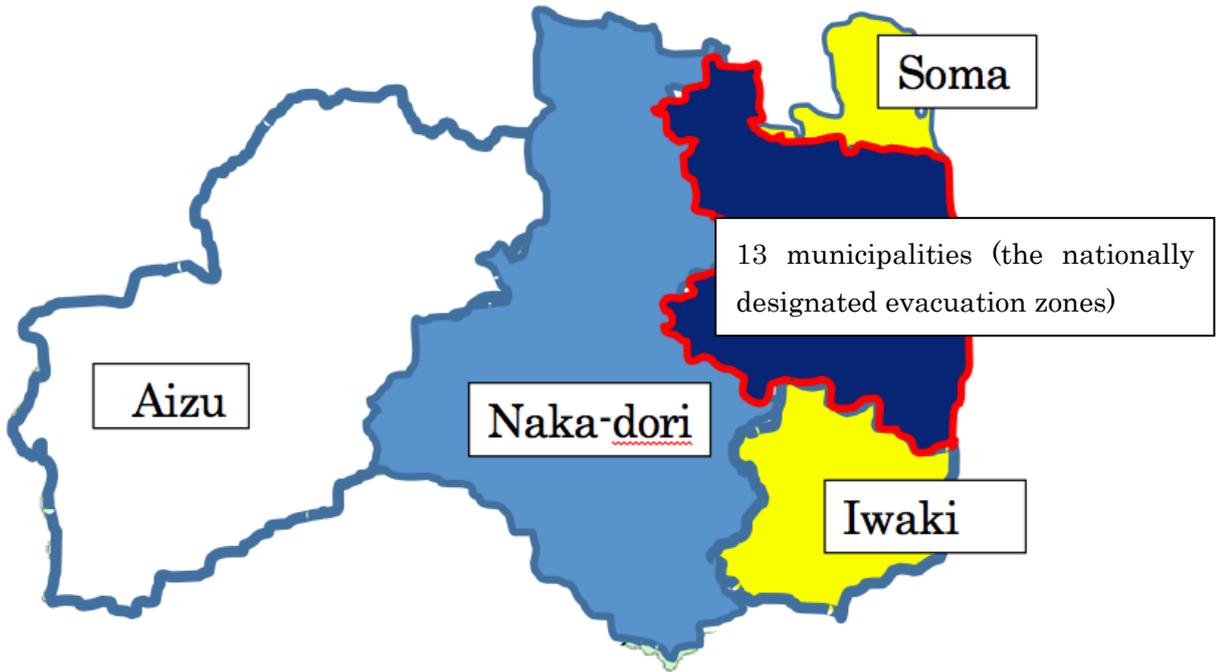
Among the 295,689 participants of Primary Examination excluding duplicates and unconfirmed test results, proportion of B or C test results increased in all areas, and was highest in Aizu followed by Hamadori, Nakadori, and 13 municipalities of the nationally designated evacuation zones.

The proportion of suspicious or malignant was almost the same among 13 municipalities in the nationally designated evacuation zones, Nakadori, and Hamadori, but lower in Aizu since the proportion of those completed the Confirmatory Examination is lower.

FY 2011 is from 1 April 2011 through 31 March 2012.

FY 2012 is from 1 April 2012 through 31 March 2013.

FY 2013 is from 1 April 2013 through 31 March 2014.



Appendix 1

Participants by municipality

As of 30 June 2014

| | Target Population | Age | | | |
|---------------|-------------------|---------|--------|---------|--------|
| | | 0-5 | 6-10 | 11-15 | 16-18 |
| FY 2011 | | | | | |
| Kawamata | 2,396 | 590 | 631 | 719 | 456 |
| Namie | 3,643 | 1,023 | 920 | 1,031 | 669 |
| Iitate | 1,085 | 281 | 300 | 302 | 202 |
| Minami-soma | 12,527 | 3,698 | 3,418 | 3,297 | 2,114 |
| Date | 11,402 | 2,757 | 3,023 | 3,401 | 2,221 |
| Tamura | 7,073 | 1,740 | 1,808 | 2,074 | 1,451 |
| Hirono | 1,077 | 258 | 250 | 348 | 221 |
| Naraha | 1,432 | 351 | 362 | 415 | 304 |
| Tomioka | 2,963 | 768 | 740 | 897 | 558 |
| Kawauchi | 357 | 90 | 99 | 89 | 79 |
| Okuma | 2,385 | 782 | 634 | 619 | 350 |
| Futaba | 1,207 | 369 | 300 | 337 | 201 |
| Katsurao | 233 | 56 | 62 | 67 | 48 |
| Subtotal | 47,780 | 12,763 | 12,547 | 13,596 | 8,874 |
| FY 2012 | | | | | |
| Fukushima | 53,560 | 15,253 | 14,062 | 14,882 | 9,363 |
| Nihonmatsu | 10,256 | 2,784 | 2,646 | 2,945 | 1,881 |
| Motomiya | 6,112 | 1,760 | 1,583 | 1,691 | 1,078 |
| Otama | 1,617 | 486 | 399 | 430 | 302 |
| Koriyama | 64,383 | 19,216 | 16,911 | 17,497 | 10,759 |
| Kori | 2,067 | 526 | 549 | 595 | 397 |
| Kunimi | 1,594 | 381 | 420 | 484 | 309 |
| Tenei | 1,061 | 300 | 284 | 280 | 197 |
| Shirakawa | 12,161 | 3,357 | 3,258 | 3,478 | 2,068 |
| Nishigo | 3,977 | 1,143 | 1,081 | 1,075 | 678 |
| Izumizaki | 1,289 | 353 | 355 | 335 | 246 |
| Miharu | 3,067 | 750 | 776 | 931 | 610 |
| Subtotal | 161,144 | 46,309 | 42,324 | 44,623 | 27,888 |
| FY 2013 | | | | | |
| Iwaki* | 62,288 | 17,230 | 16,181 | 17,755 | 11,122 |
| Sukagawa | 15,308 | 4,344 | 4,096 | 4,255 | 2,613 |
| Soma | 6,813 | 1,981 | 1,778 | 1,849 | 1,205 |
| Kagamiishi | 2,597 | 740 | 707 | 723 | 427 |
| Shinchi | 1,433 | 391 | 394 | 411 | 237 |
| Nakajima | 1,079 | 270 | 282 | 317 | 210 |
| Yabuki | 3,279 | 981 | 851 | 897 | 550 |
| Ishikawa | 2,847 | 711 | 722 | 831 | 583 |
| Yamatsuri | 1,010 | 287 | 236 | 315 | 172 |
| Asakawa | 1,340 | 340 | 379 | 372 | 249 |
| Hirata | 1,209 | 330 | 298 | 342 | 239 |
| Tanagura | 2,988 | 867 | 744 | 882 | 495 |
| Hanawa | 1,662 | 415 | 391 | 531 | 325 |
| Samegawa | 694 | 178 | 172 | 186 | 158 |
| Ono | 1,936 | 496 | 490 | 568 | 382 |
| Tamakawa | 1,333 | 384 | 347 | 370 | 232 |
| Furudono | 1,040 | 287 | 242 | 315 | 196 |
| Hinoemata | 107 | 23 | 30 | 34 | 20 |
| Minami-aizu | 2,823 | 713 | 682 | 841 | 587 |
| Kaneyama | 203 | 40 | 52 | 72 | 39 |
| Showa | 129 | 44 | 39 | 33 | 13 |
| Mishima | 192 | 43 | 55 | 53 | 41 |
| Shimogo | 1,007 | 265 | 252 | 293 | 197 |
| Kitakata | 8,911 | 2,294 | 2,334 | 2,578 | 1,705 |
| Nishiaizu | 1,019 | 216 | 245 | 334 | 224 |
| Tadami | 710 | 195 | 177 | 201 | 137 |
| Inawashiro | 2,662 | 704 | 659 | 768 | 531 |
| Bandai | 616 | 179 | 163 | 166 | 108 |
| Kitashiobara | 557 | 159 | 140 | 156 | 102 |
| Aizumisato | 3,658 | 916 | 909 | 1,098 | 735 |
| Aizubange | 3,081 | 766 | 800 | 958 | 557 |
| Yanaizu | 590 | 158 | 142 | 175 | 115 |
| Aizuwakamatsu | 22,986 | 6,261 | 5,965 | 6,577 | 4,183 |
| Yugawa | 676 | 179 | 177 | 192 | 128 |
| Subtotal | 158,783 | 43,387 | 41,131 | 45,448 | 28,817 |
| Total | 367,707 | 102,459 | 96,002 | 103,667 | 65,579 |

* Including districts of FY 2012

Appendix 2

Thyroid Ultrasound Examination (TUE) coverage by municipality

Screening coverage by municipality in FY 2011 (13 municipalities in the nationally designated zones)

30 June 2014

| | Target Population a | Participants | | Proportion (%) b/a | Number and proportion of participants by age group | | | | Participants living outside Fukushima c 4) | Proportion (%) c/b |
|-------------|------------------------|--------------|----------------------------------|-----------------------|--|--------|--------|-------|---|-----------------------|
| | | b | Screened outside Fukushima 5) | | 0-5 | 6-10 | 11-15 | 16-18 | | |
| | | | | | | | | | | |
| Kawamata | 2,396 | 2,221 | 34 | 92.7 | 560 | 612 | 687 | 362 | 124 | 5.6 |
| | | | | | 94.9 | 97.0 | 95.5 | 79.4 | | |
| | | | | | 25.2 | 27.6 | 30.9 | 16.3 | | |
| Namie | 3,643 | 3,249 | 192 | 89.2 | 920 | 858 | 918 | 553 | 1,188 | 36.6 |
| | | | | | 89.9 | 93.3 | 89.0 | 82.7 | | |
| | | | | | 28.3 | 26.4 | 28.3 | 17.0 | | |
| Iitate | 1,085 | 943 | 16 | 86.9 | 248 | 271 | 264 | 160 | 87 | 9.2 |
| | | | | | 88.3 | 90.3 | 87.4 | 79.2 | | |
| | | | | | 26.3 | 28.7 | 28.0 | 17.0 | | |
| Minami-soma | 12,527 | 10,789 | 875 | 86.1 | 3,205 | 3,052 | 2,929 | 1,603 | 2,883 | 26.7 |
| | | | | | 86.7 | 89.3 | 88.8 | 75.8 | | |
| | | | | | 29.7 | 28.3 | 27.1 | 14.9 | | |
| Date | 11,402 | 10,606 | 155 | 93.0 | 2,574 | 2,977 | 3,287 | 1,768 | 572 | 5.4 |
| | | | | | 93.4 | 98.5 | 96.6 | 79.6 | | |
| | | | | | 24.3 | 28.1 | 31.0 | 16.7 | | |
| Tamura | 7,073 | 6,327 | 61 | 89.5 | 1,557 | 1,763 | 1,970 | 1,037 | 216 | 3.4 |
| | | | | | 89.5 | 97.5 | 95.0 | 71.5 | | |
| | | | | | 24.6 | 27.9 | 31.1 | 16.4 | | |
| Hirono | 1,077 | 838 | 57 | 77.8 | 204 | 216 | 294 | 124 | 150 | 17.9 |
| | | | | | 79.1 | 86.4 | 84.5 | 56.1 | | |
| | | | | | 24.3 | 25.8 | 35.1 | 14.8 | | |
| Naraha | 1,432 | 1,153 | 77 | 80.5 | 285 | 319 | 353 | 196 | 225 | 19.5 |
| | | | | | 81.2 | 88.1 | 85.1 | 64.5 | | |
| | | | | | 24.7 | 27.7 | 30.6 | 17.0 | | |
| Tomioka | 2,963 | 2,302 | 237 | 77.7 | 594 | 638 | 720 | 350 | 628 | 27.3 |
| | | | | | 77.3 | 86.2 | 80.3 | 62.7 | | |
| | | | | | 25.8 | 27.7 | 31.3 | 15.2 | | |
| Kawauchi | 357 | 280 | 22 | 78.4 | 72 | 92 | 70 | 46 | 53 | 18.9 |
| | | | | | 80.0 | 92.9 | 78.7 | 58.2 | | |
| | | | | | 25.7 | 32.9 | 25.0 | 16.4 | | |
| Okuma | 2,385 | 1,973 | 183 | 82.7 | 656 | 579 | 529 | 209 | 503 | 25.5 |
| | | | | | 83.9 | 91.3 | 85.5 | 59.7 | | |
| | | | | | 33.2 | 29.3 | 26.8 | 10.6 | | |
| Futaba | 1,207 | 949 | 113 | 78.6 | 289 | 246 | 277 | 137 | 426 | 44.9 |
| | | | | | 78.3 | 82.0 | 82.2 | 68.2 | | |
| | | | | | 30.5 | 25.9 | 29.2 | 14.4 | | |
| Katsurao | 233 | 183 | 3 | 78.5 | 43 | 55 | 57 | 28 | 14 | 7.7 |
| | | | | | 76.8 | 88.7 | 85.1 | 58.3 | | |
| | | | | | 23.5 | 30.1 | 31.1 | 15.3 | | |
| Subtotal | 47,780 | 41,813 | 2,025 | 87.5 | 11,207 | 11,678 | 12,355 | 6,573 | 7,069 | 16.9 |
| | | | | | 87.8 | 93.1 | 90.9 | 74.1 | | |
| | | | | | 26.8 | 27.9 | 29.5 | 15.7 | | |

1) Number of participants. 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 currently living outside Fukushima.

5) Number of participants who underwent the test outside Fukushima.

Because of the duplication of the participants, some numbers are not consistent with the previous ones.

Fractions have been rounded and may not total to 100%. Ages are at the time of the disaster.

While some participants who underwent the test at their schools had been categorized according to the municipalities of their schools in the previous survey, they were categorized into the municipalities they belonged at the time of the disaster.

| | Target Population a | Participants | | Proportion (%) b/a | Number and proportion of participants by age group | | | | Participants living outside Fukushima c 4) | Proportion (%) c/b |
|------------|------------------------|--------------|--|-----------------------|--|------------------------|------------------------|------------------------|---|-----------------------|
| | | b | Screened outside Fukushima 5) 1,238 | | 0-5 | 6-10 | 11-15 | 16-18 | | |
| | | | | | | | | | | |
| Fukushima | 53,560 | 47,336 | 1,238 | 88.4 | 13,372 87.7 28.2 | 13,565 96.5 28.7 | 13,697 92.0 28.9 | 6,702 71.6 14.2 | 3,586 | 7.6 |
| Nihonmatsu | 10,256 | 8,846 | 173 | 86.3 | 2,526 90.7 28.6 | 2,588 97.8 29.3 | 2,665 90.5 30.1 | 1,067 56.7 12.1 | 439 | 5.0 |
| Motomiya | 6,112 | 5,233 | 110 | 85.6 | 1,534 87.2 29.3 | 1,554 98.2 29.7 | 1,505 89.0 28.8 | 640 59.4 12.2 | 220 | 4.2 |
| Otama | 1,617 | 1,372 | 18 | 84.8 | 447 92.0 32.6 | 397 99.5 28.9 | 384 89.3 28.0 | 144 47.7 10.5 | 29 | 2.1 |
| Koriyama | 64,383 | 53,962 | 2,186 | 83.8 | 16,282 84.7 30.2 | 16,134 95.4 29.9 | 15,453 88.3 28.6 | 6,093 56.6 11.3 | 3,760 | 7.0 |
| Kori | 2,067 | 1,857 | 34 | 89.8 | 493 93.7 26.5 | 540 98.4 29.1 | 555 93.3 29.9 | 269 67.8 14.5 | 52 | 2.8 |
| Kunimi | 1,594 | 1,429 | 29 | 89.6 | 349 91.6 24.4 | 412 98.1 28.8 | 456 94.2 31.9 | 212 68.6 14.8 | 35 | 2.4 |
| Tenei | 1,061 | 878 | 13 | 82.8 | 285 95.0 32.5 | 281 98.9 32.0 | 229 81.8 26.1 | 83 42.1 9.5 | 19 | 2.2 |
| Shirakawa | 12,161 | 10,805 | 294 | 88.8 | 3,078 91.7 28.5 | 3,192 98.0 29.5 | 3,242 93.2 30.0 | 1,293 62.5 12.0 | 379 | 3.5 |
| Nishigo | 3,977 | 3,618 | 83 | 91.0 | 1,089 95.3 30.1 | 1,062 98.2 29.4 | 1,012 94.1 28.0 | 455 67.1 12.6 | 123 | 3.4 |
| Izumizaki | 1,289 | 1,156 | 14 | 89.7 | 338 95.8 29.2 | 346 97.5 29.9 | 311 92.8 26.9 | 161 65.4 13.9 | 18 | 1.6 |
| Miharu | 3,067 | 2,717 | 39 | 88.6 | 695 92.7 25.6 | 760 97.9 28.0 | 847 91.0 31.2 | 415 68.0 15.3 | 76 | 2.8 |
| Subtotal | 161,144 | 139,209 | 4,231 | 86.4 | 40,488 87.4 29.1 | 40,831 96.5 29.3 | 40,356 90.4 29.0 | 17,534 62.9 12.6 | 8,736 | 6.3 |

Screening coverage by municipality in FY 2013

30 June 2014

| | Target Population a | Participants | | Proportion (%) b/a | Number and proportion of participants by age group | | | | Participants living outside Fukushima c 4) | Proportion (%) c/b |
|------------|------------------------|--------------|----------------------------------|-----------------------|--|--------|--------|-------|---|-----------------------|
| | | b | Screened outside Fukushima 5) | | 0-5 | 6-10 | 11-15 | 16-18 | | |
| | | | | | | | | | | |
| Iwaki* | 62,288 | 47,759 | 1,565 | 76.7 | 13,778 | 15,430 | 13,816 | 4,735 | 2,113 | 4.4 |
| | | | | | 80.0 | 95.4 | 77.8 | 42.6 | | |
| | | | | | 28.8 | 32.3 | 28.9 | 9.9 | | |
| Sukagawa | 15,308 | 11,532 | 248 | 75.3 | 3,595 | 3,967 | 3,035 | 935 | 324 | 2.8 |
| | | | | | 82.8 | 96.9 | 71.3 | 35.8 | | |
| | | | | | 31.2 | 34.4 | 26.3 | 8.1 | | |
| Soma | 6,813 | 5,046 | 215 | 74.1 | 1,654 | 1,651 | 1,299 | 442 | 331 | 6.6 |
| | | | | | 83.5 | 92.9 | 70.3 | 36.7 | | |
| | | | | | 32.8 | 32.7 | 25.7 | 8.8 | | |
| Kagamiishi | 2,597 | 1,947 | 32 | 75.0 | 610 | 684 | 504 | 149 | 43 | 2.2 |
| | | | | | 82.4 | 96.7 | 69.7 | 34.9 | | |
| | | | | | 31.3 | 35.1 | 25.9 | 7.7 | | |
| Shinchi | 1,433 | 1,105 | 62 | 77.1 | 340 | 377 | 296 | 92 | 51 | 4.6 |
| | | | | | 87.0 | 95.7 | 72.0 | 38.8 | | |
| | | | | | 30.8 | 34.1 | 26.8 | 8.3 | | |
| Nakajima | 1,079 | 801 | 9 | 74.2 | 226 | 273 | 248 | 54 | 12 | 1.5 |
| | | | | | 83.7 | 96.8 | 78.2 | 25.7 | | |
| | | | | | 28.2 | 34.1 | 31.0 | 6.7 | | |
| Yabuki | 3,279 | 2,452 | 48 | 74.8 | 864 | 828 | 623 | 137 | 48 | 2.0 |
| | | | | | 88.1 | 97.3 | 69.5 | 24.9 | | |
| | | | | | 35.2 | 33.8 | 25.4 | 5.6 | | |
| Ishikawa | 2,847 | 2,078 | 49 | 73.0 | 657 | 684 | 588 | 149 | 46 | 2.2 |
| | | | | | 92.4 | 94.7 | 70.8 | 25.6 | | |
| | | | | | 31.6 | 32.9 | 28.3 | 7.2 | | |
| Yamatsuri | 1,010 | 774 | 16 | 76.6 | 268 | 232 | 226 | 48 | 18 | 2.3 |
| | | | | | 93.4 | 98.3 | 71.7 | 27.9 | | |
| | | | | | 34.6 | 30.0 | 29.2 | 6.2 | | |
| Asakawa | 1,340 | 1,067 | 25 | 79.6 | 315 | 371 | 297 | 84 | 27 | 2.5 |
| | | | | | 92.6 | 97.9 | 79.8 | 33.7 | | |
| | | | | | 29.5 | 34.8 | 27.8 | 7.9 | | |
| Hirata | 1,209 | 824 | 12 | 68.2 | 271 | 284 | 214 | 55 | 8 | 1.0 |
| | | | | | 82.1 | 95.3 | 62.6 | 23.0 | | |
| | | | | | 32.9 | 34.5 | 26.0 | 6.7 | | |
| Tanagura | 2,988 | 2,256 | 40 | 75.5 | 753 | 730 | 622 | 151 | 49 | 2.2 |
| | | | | | 86.9 | 98.1 | 70.5 | 30.5 | | |
| | | | | | 33.4 | 32.4 | 27.6 | 6.7 | | |
| Hanawa | 1,662 | 1,210 | 25 | 72.8 | 367 | 381 | 368 | 94 | 25 | 2.1 |
| | | | | | 88.4 | 97.4 | 69.3 | 28.9 | | |
| | | | | | 30.3 | 31.5 | 30.4 | 7.8 | | |
| Samegawa | 694 | 503 | 10 | 72.5 | 171 | 168 | 127 | 37 | 12 | 2.4 |
| | | | | | 96.1 | 97.7 | 68.3 | 23.4 | | |
| | | | | | 34.0 | 33.4 | 25.2 | 7.4 | | |
| Ono | 1,936 | 1,317 | 28 | 68.0 | 392 | 466 | 354 | 105 | 26 | 2.0 |
| | | | | | 79.0 | 95.1 | 62.3 | 27.5 | | |
| | | | | | 29.8 | 35.4 | 26.9 | 8.0 | | |
| Tamakawa | 1,333 | 984 | 12 | 73.8 | 341 | 339 | 241 | 63 | 13 | 1.3 |
| | | | | | 88.8 | 97.7 | 65.1 | 27.2 | | |
| | | | | | 34.7 | 34.5 | 24.5 | 6.4 | | |
| Furudono | 1,040 | 790 | 21 | 76.0 | 262 | 239 | 233 | 56 | 22 | 2.8 |
| | | | | | 91.3 | 98.8 | 74.0 | 28.6 | | |
| | | | | | 33.2 | 30.3 | 29.5 | 7.1 | | |

*Including districts of FY 2012

Screening coverage by municipality in FY 2013

30 June 2014

| | Target Population a | Participants | | Proportion (%) b/a | Number and proportion of participants by age group | | | | Participants living outside Fukushima c 4) | Proportion (%) c/b |
|---------------|------------------------|--------------|-------------------------------|-----------------------|--|------------------------|------------------------|------------------------|---|-----------------------|
| | | b | Screened outside Fukushima 5) | | 0-5 | 6-10 | 11-15 | 16-18 | | |
| | | | | | | | | | | |
| Hinoemata | 107 | 61 | 3 | 57.0 | 15 65.2 24.6 | 27 90.0 44.3 | 19 55.9 31.1 | 0 0.0 0.0 | 3 | 4.9 |
| Minami-aizu | 2,823 | 1,803 | 21 | 63.9 | 604 84.7 33.5 | 641 94.0 35.6 | 453 53.9 25.1 | 105 17.9 5.8 | 31 | 1.7 |
| Kaneyama | 203 | 136 | 6 | 67.0 | 34 85.0 25.0 | 50 96.2 36.8 | 47 65.3 34.6 | 5 12.8 3.7 | 6 | 4.4 |
| Showa | 129 | 101 | 0 | 78.3 | 37 84.1 36.6 | 38 97.4 37.6 | 25 75.8 24.8 | 1 7.7 1.0 | 4 | 4.0 |
| Mishima | 192 | 129 | 1 | 67.2 | 29 67.4 22.5 | 54 98.2 41.9 | 37 69.8 28.7 | 9 22.0 7.0 | 0 | 0.0 |
| Shimogo | 1,007 | 688 | 13 | 68.3 | 243 91.7 35.3 | 233 92.5 33.9 | 176 60.1 25.6 | 36 18.3 5.2 | 15 | 2.2 |
| Kitakata | 8,911 | 5,710 | 63 | 64.1 | 1,630 71.1 28.5 | 2,231 95.6 39.1 | 1,482 57.5 26.0 | 367 21.5 6.4 | 78 | 1.4 |
| Nishiaizu | 1,019 | 638 | 4 | 62.6 | 201 93.1 31.5 | 238 97.1 37.3 | 172 51.5 27.0 | 27 12.1 4.2 | 6 | 0.9 |
| Tadami | 710 | 492 | 3 | 69.3 | 160 82.1 32.5 | 169 95.5 34.3 | 147 73.1 29.9 | 16 11.7 3.3 | 2 | 0.4 |
| Inawashiro | 2,662 | 1,871 | 34 | 70.3 | 610 86.6 32.6 | 641 97.3 34.3 | 476 62.0 25.4 | 144 27.1 7.7 | 63 | 3.4 |
| Bandai | 616 | 413 | 8 | 67.0 | 133 74.3 32.2 | 159 97.5 38.5 | 94 56.6 22.8 | 27 25.0 6.5 | 10 | 2.4 |
| Kitashiobara | 557 | 382 | 6 | 68.6 | 142 89.3 37.2 | 137 97.9 35.9 | 92 59.0 24.1 | 11 10.8 2.9 | 5 | 1.3 |
| Aizumisato | 3,658 | 2,547 | 24 | 69.6 | 827 90.3 32.5 | 872 95.9 34.2 | 685 62.4 26.9 | 163 22.2 6.4 | 38 | 1.5 |
| Aizubange | 3,081 | 2,074 | 29 | 67.3 | 611 79.8 29.5 | 750 93.8 36.2 | 575 60.0 27.7 | 138 24.8 6.7 | 33 | 1.6 |
| Yanaizu | 590 | 375 | 3 | 63.6 | 127 80.4 33.9 | 129 90.8 34.4 | 103 58.9 27.5 | 16 13.9 4.3 | 3 | 0.8 |
| Aizuwakamatsu | 22,986 | 14,632 | 298 | 63.7 | 4,137 66.1 28.3 | 5,627 94.3 38.5 | 4,022 61.2 27.5 | 846 20.2 5.8 | 378 | 2.6 |
| Yugawa | 676 | 507 | 6 | 75.0 | 166 92.7 32.7 | 177 100.0 34.9 | 128 66.7 25.2 | 36 28.1 7.1 | 7 | 1.4 |
| Subtotal | 158,783 | 115,004 | 2,939 | 72.4 | 34,570 79.7 30.1 | 39,277 95.5 34.2 | 31,824 70.0 27.7 | 9,333 32.4 8.1 | 3,850 | 3.3 |
| Total | 367,707 | 296,026 | 9,195 | 80.5 | 86,265 84.2 29.1 | 91,786 95.6 31.0 | 84,535 81.5 28.6 | 33,440 51.0 11.3 | 19,655 | 6.6 |

Appendix 3

Thyroid Ultrasound Examination (TUE) coverage by prefecture

As of 30 June 2014

| Prefecture | Number of test venues | Participants | Prefecture | Number of test venues | Participants | Prefecture | Number of test venues | Participants |
|------------|-----------------------|--------------|------------|-----------------------|--------------|--------------|-----------------------|--------------|
| Hokkaido | 4 | 328 | Fukui | 1 | 22 | Hiroshima | 1 | 36 |
| Aomori | 1 | 158 | Yamanashi | 1 | 82 | Yamaguchi | 1 | 24 |
| Iwate | 2 | 185 | Nagano | 2 | 131 | Tokushima | 1 | 10 |
| Miyagi | 2 | 1,501 | Gifu | 1 | 43 | Kagawa | 1 | 29 |
| Akita | 1 | 206 | Shizuoka | 2 | 108 | Ehime | 1 | 20 |
| Yamagata | 3 | 434 | Aichi | 3 | 170 | Kōchi | 1 | 14 |
| Ibaraki | 2 | 430 | Mie | 1 | 38 | Fukuoka | 2 | 77 |
| Tochigi | 5 | 442 | Shiga | 1 | 20 | Saga | 1 | 7 |
| Gunma | 1 | 182 | Kyōto | 2 | 97 | Nagasaki | 2 | 23 |
| Saitama | 1 | 239 | Ōsaka | 6 | 208 | Kumamoto | 1 | 25 |
| Chiba | 3 | 272 | Hyōgo | 2 | 134 | Ōita | 1 | 35 |
| Tōkyō | 10 | 1,737 | Nara | 1 | 25 | Miyazaki | 1 | 35 |
| Kanagawa | 4 | 723 | Wakayama | 1 | 12 | Kagoshima | 1 | 28 |
| Niigata | 1 | 609 | Tottori | 1 | 15 | Okinawa | 1 | 115 |
| Toyama | 1 | 32 | Shimane | 1 | 13 | | | |
| Ishikawa | 1 | 45 | Okayama | 3 | 76 | | | |
| | | | | | | Total | 87 | 9,195 |

Participants underwent testing at venues outside Fukushima carried out either by Fukushima Medical University staff (twice in Niigata, Yamagata, and Kanagawa respectively) or by local specialists.

Appendix 4

Thyroid Ultrasound Examination (TUE) results by municipality

Primary test results in FY 2011 (13 municipalities in the nationally designated zones)

As of 30 June 2014

| | Participa nts a | Number confirmed b Proportion (%) b/a (%) | Number by test results | | | | Nodules | | Cysts | |
|-------------|-----------------------|---|------------------------|--------|-----|-----|----------------|------|----------------|---------|
| | | | Proportion (%) | | | | Proportion (%) | | Proportion (%) | |
| | | | A | | B | C | Proportion (%) | | Proportion (%) | |
| | | | A1 | A2 | | | ≥5.1 | ≤5.0 | ≥20.1mm | ≤20.0mm |
| Kawamata | 2,221 | 2,221 | 1,520 | 693 | 8 | 0 | 8 | 17 | 0 | 681 |
| | | 100.0 | 68.4 | 31.2 | 0.4 | 0.0 | 0.4 | 0.8 | 0.0 | 30.7 |
| Namie | 3,249 | 3,249 | 2,119 | 1,104 | 26 | 0 | 26 | 42 | 0 | 1,088 |
| | | 100.0 | 65.2 | 34.0 | 0.8 | 0.0 | 0.8 | 1.3 | 0.0 | 33.5 |
| Iitate | 943 | 943 | 693 | 244 | 6 | 0 | 6 | 15 | 0 | 233 |
| | | 100.0 | 73.5 | 25.9 | 0.6 | 0.0 | 0.6 | 1.6 | 0.0 | 24.7 |
| Minami-soma | 10,789 | 10,789 | 6,789 | 3,948 | 52 | 0 | 52 | 87 | 0 | 3,905 |
| | | 100.0 | 62.9 | 36.6 | 0.5 | 0.0 | 0.5 | 0.8 | 0.0 | 36.2 |
| Date | 10,606 | 10,606 | 6,748 | 3,808 | 50 | 0 | 48 | 31 | 1 | 3,809 |
| | | 100.0 | 63.6 | 35.9 | 0.5 | 0.0 | 0.5 | 0.3 | 0.0 | 35.9 |
| Tamura | 6,327 | 6,327 | 4,002 | 2,293 | 32 | 0 | 32 | 11 | 0 | 2,299 |
| | | 100.0 | 63.3 | 36.2 | 0.5 | 0.0 | 0.5 | 0.2 | 0.0 | 36.3 |
| Hirono | 838 | 838 | 521 | 312 | 5 | 0 | 5 | 3 | 0 | 313 |
| | | 100.0 | 62.2 | 37.2 | 0.6 | 0.0 | 0.6 | 0.4 | 0.0 | 37.4 |
| Naraha | 1,153 | 1,153 | 651 | 495 | 7 | 0 | 7 | 4 | 0 | 498 |
| | | 100.0 | 56.5 | 42.9 | 0.6 | 0.0 | 0.6 | 0.3 | 0.0 | 43.2 |
| Tomioka | 2,302 | 2,302 | 1,350 | 939 | 13 | 0 | 13 | 8 | 0 | 939 |
| | | 100.0 | 58.6 | 40.8 | 0.6 | 0.0 | 0.6 | 0.3 | 0.0 | 40.8 |
| Kawauchi | 280 | 280 | 156 | 120 | 4 | 0 | 4 | 1 | 0 | 120 |
| | | 100.0 | 55.7 | 42.9 | 1.4 | 0.0 | 1.4 | 0.4 | 0.0 | 42.9 |
| Okuma | 1,973 | 1,973 | 1,140 | 819 | 14 | 0 | 14 | 7 | 0 | 816 |
| | | 100.0 | 57.8 | 41.5 | 0.7 | 0.0 | 0.7 | 0.4 | 0.0 | 41.4 |
| Futaba | 949 | 949 | 570 | 376 | 3 | 0 | 3 | 3 | 0 | 375 |
| | | 100.0 | 60.1 | 39.6 | 0.3 | 0.0 | 0.3 | 0.3 | 0.0 | 39.5 |
| Katsurao | 183 | 183 | 116 | 66 | 1 | 0 | 1 | 3 | 0 | 65 |
| | | 100.0 | 63.4 | 36.1 | 0.5 | 0.0 | 0.5 | 1.6 | 0.0 | 35.5 |
| Subtotal | 41,813 | 41,813 | 26,375 | 15,217 | 221 | 0 | 219 | 232 | 1 | 15,141 |
| | | 100.0 | 63.1 | 36.4 | 0.5 | 0.0 | 0.5 | 0.6 | 0.0 | 36.2 |

Fractions are rounded and may not total to 100%.

Because of the duplication of the participants, some numbers are not consistent with the previous ones.

Fractions have been rounded and may not total to 100%. Ages are at the time of the disaster.

While some participants who underwent the test at their schools had been categorized according to the municipalities of their schools in the previous survey, they were categorized into the municipalities they belonged at the time of the disaster.

| | Participants a | Number confirmed b Proportion (%) b/a (%) | Number by test results | | | | Nodules | | Cysts | |
|------------|-------------------|--|------------------------|--------|-----|-----|----------------|------|----------------|---------|
| | | | Proportion (%) | | | | Proportion (%) | | Proportion (%) | |
| | | | A | | B | C | ≥5.1 | ≤5.0 | ≥20.1mm | ≤20.0mm |
| | | | A1 | A2 | | | | | | |
| Fukushima | 47,336 | 47,306 | 26,960 | 20,063 | 283 | 0 | 276 | 196 | 3 | 20,080 |
| | | 99.9 | 57.0 | 42.4 | 0.6 | 0.0 | 0.6 | 0.4 | 0.0 | 42.4 |
| Nihonmatsu | 8,846 | 8,831 | 5,185 | 3,591 | 54 | 1 | 54 | 46 | 1 | 3,593 |
| | | 99.8 | 58.7 | 40.7 | 0.6 | 0.0 | 0.6 | 0.5 | 0.0 | 40.7 |
| Motomiya | 5,233 | 5,228 | 2,952 | 2,247 | 29 | 0 | 27 | 25 | 1 | 2,251 |
| | | 99.9 | 56.5 | 43.0 | 0.6 | 0.0 | 0.5 | 0.5 | 0.0 | 43.1 |
| Otama | 1,372 | 1,372 | 816 | 549 | 7 | 0 | 7 | 8 | 0 | 549 |
| | | 100.0 | 59.5 | 40.0 | 0.5 | 0.0 | 0.5 | 0.6 | 0.0 | 40.0 |
| Koriyama | 53,962 | 53,919 | 27,866 | 25,595 | 458 | 0 | 454 | 331 | 3 | 25,679 |
| | | 99.9 | 51.7 | 47.5 | 0.8 | 0.0 | 0.8 | 0.6 | 0.0 | 47.6 |
| Kori | 1,857 | 1,850 | 1,015 | 821 | 14 | 0 | 14 | 9 | 0 | 822 |
| | | 99.6 | 54.9 | 44.4 | 0.8 | 0.0 | 0.8 | 0.5 | 0.0 | 44.4 |
| Kunimi | 1,429 | 1,425 | 760 | 650 | 15 | 0 | 14 | 9 | 1 | 654 |
| | | 99.7 | 53.3 | 45.6 | 1.1 | 0.0 | 1.0 | 0.6 | 0.1 | 45.9 |
| Tenei | 878 | 878 | 528 | 343 | 7 | 0 | 7 | 4 | 0 | 348 |
| | | 100.0 | 60.1 | 39.1 | 0.8 | 0.0 | 0.8 | 0.5 | 0.0 | 39.6 |
| Shirakawa | 10,805 | 10,795 | 6,105 | 4,629 | 61 | 0 | 61 | 53 | 0 | 4,626 |
| | | 99.9 | 56.6 | 42.9 | 0.6 | 0.0 | 0.6 | 0.5 | 0.0 | 42.9 |
| Nishigo | 3,618 | 3,618 | 2,085 | 1,503 | 30 | 0 | 30 | 21 | 0 | 1,503 |
| | | 100.0 | 57.6 | 41.5 | 0.8 | 0.0 | 0.8 | 0.6 | 0.0 | 41.5 |
| Izumizaki | 1,156 | 1,156 | 523 | 628 | 5 | 0 | 5 | 11 | 0 | 624 |
| | | 100.0 | 45.2 | 54.3 | 0.4 | 0.0 | 0.4 | 1.0 | 0.0 | 54.0 |
| Miharu | 2,717 | 2,715 | 1,296 | 1,397 | 22 | 0 | 22 | 15 | 0 | 1,400 |
| | | 99.9 | 47.7 | 51.5 | 0.8 | 0.0 | 0.8 | 0.6 | 0.0 | 51.6 |
| Subtotal | 139,209 | 139,093 | 76,091 | 62,016 | 985 | 1 | 971 | 728 | 9 | 62,129 |
| | | 99.9 | 54.7 | 44.6 | 0.7 | 0.0 | 0.7 | 0.5 | 0.0 | 44.7 |

| | Participants a | Number confirmed b | Number by test results | | | | Nodules | | Cysts | |
|------------|-------------------|-----------------------|------------------------|--------|-----|-----|----------------|------|----------------|---------|
| | | | Proportion (%) | | | | Proportion (%) | | Proportion (%) | |
| | | | A | | B | C | ≥5.1 | ≤5.0 | ≥20.1mm | ≤20.0mm |
| | | | A1 | A2 | | | | | | |
| Iwaki* | 47,759 | 47,676 | 20,992 | 26,255 | 429 | 0 | 428 | 277 | 1 | 26,364 |
| | | 99.8 | 44.0 | 55.1 | 0.9 | 0.0 | 0.9 | 0.6 | 0.0 | 55.3 |
| Sukagawa | 11,532 | 11,516 | 5,246 | 6,169 | 101 | 0 | 101 | 51 | 0 | 6,203 |
| | | 99.9 | 45.6 | 53.6 | 0.9 | 0.0 | 0.9 | 0.4 | 0.0 | 53.9 |
| Soma | 5,046 | 5,024 | 2,391 | 2,587 | 46 | 0 | 46 | 45 | 0 | 2,598 |
| | | 99.6 | 47.6 | 51.5 | 0.9 | 0.0 | 0.9 | 0.9 | 0.0 | 51.7 |
| Kagamiishi | 1,947 | 1,947 | 919 | 1,019 | 9 | 0 | 9 | 8 | 0 | 1,020 |
| | | 100.0 | 47.2 | 52.3 | 0.5 | 0.0 | 0.5 | 0.4 | 0.0 | 52.4 |
| Shinchi | 1,105 | 1,103 | 501 | 595 | 7 | 0 | 7 | 5 | 0 | 599 |
| | | 99.8 | 45.4 | 53.9 | 0.6 | 0.0 | 0.6 | 0.5 | 0.0 | 54.3 |
| Nakajima | 801 | 801 | 377 | 422 | 2 | 0 | 2 | 8 | 0 | 420 |
| | | 100.0 | 47.1 | 52.7 | 0.2 | 0.0 | 0.2 | 1.0 | 0.0 | 52.4 |
| Yabuki | 2,452 | 2,450 | 1,042 | 1,391 | 17 | 0 | 17 | 8 | 0 | 1,399 |
| | | 99.9 | 42.5 | 56.8 | 0.7 | 0.0 | 0.7 | 0.3 | 0.0 | 57.1 |
| Ishikawa | 2,078 | 2,077 | 950 | 1,116 | 11 | 0 | 11 | 15 | 0 | 1,116 |
| | | 100.0 | 45.7 | 53.7 | 0.5 | 0.0 | 0.5 | 0.7 | 0.0 | 53.7 |
| Yamatsuri | 774 | 771 | 310 | 458 | 3 | 0 | 3 | 4 | 0 | 455 |
| | | 99.6 | 40.2 | 59.4 | 0.4 | 0.0 | 0.4 | 0.5 | 0.0 | 59.0 |
| Asakawa | 1,067 | 1,067 | 459 | 596 | 12 | 0 | 12 | 10 | 0 | 602 |
| | | 100.0 | 43.0 | 55.9 | 1.1 | 0.0 | 1.1 | 0.9 | 0.0 | 56.4 |
| Hirata | 824 | 824 | 371 | 444 | 9 | 0 | 9 | 2 | 0 | 450 |
| | | 100.0 | 45.0 | 53.9 | 1.1 | 0.0 | 1.1 | 0.2 | 0.0 | 54.6 |
| Tanagura | 2,256 | 2,249 | 986 | 1,241 | 22 | 0 | 22 | 11 | 0 | 1,249 |
| | | 99.7 | 43.8 | 55.2 | 1.0 | 0.0 | 1.0 | 0.5 | 0.0 | 55.5 |
| Hanawa | 1,210 | 1,209 | 489 | 712 | 8 | 0 | 8 | 9 | 0 | 715 |
| | | 99.9 | 40.4 | 58.9 | 0.7 | 0.0 | 0.7 | 0.7 | 0.0 | 59.1 |
| Samegawa | 503 | 503 | 234 | 266 | 3 | 0 | 3 | 4 | 0 | 266 |
| | | 100.0 | 46.5 | 52.9 | 0.6 | 0.0 | 0.6 | 0.8 | 0.0 | 52.9 |
| Ono | 1,317 | 1,316 | 509 | 793 | 14 | 0 | 14 | 13 | 0 | 795 |
| | | 99.9 | 38.7 | 60.3 | 1.1 | 0.0 | 1.1 | 1.0 | 0.0 | 60.4 |
| Tamakawa | 984 | 984 | 438 | 536 | 10 | 0 | 10 | 6 | 0 | 540 |
| | | 100.0 | 44.5 | 54.5 | 1.0 | 0.0 | 1.0 | 0.6 | 0.0 | 54.9 |
| Furudono | 790 | 786 | 382 | 398 | 6 | 0 | 6 | 5 | 0 | 402 |
| | | 99.5 | 48.6 | 50.6 | 0.8 | 0.0 | 0.8 | 0.6 | 0.0 | 51.1 |

* Including districts of FY 2012

| | Participants a | Number confirmed b Proportion (%) b/a (%) | Number by test results | | | | Nodules | | Cysts | |
|---------------|-------------------|---|------------------------|-----------------|--------------|----------|----------------|--------------|----------------|-----------------|
| | | | Proportion (%) | | | | Proportion (%) | | Proportion (%) | |
| | | | A | | B | C | ≥5.1 | ≤5.0 | ≥20.1mm | ≤20.0mm |
| | | | A1 | A2 | | | | | | |
| Hinoemata | 61 | 61 100.0 | 25 41.0 | 36 59.0 | 0 0.0 | 0 0.0 | 0 0.0 | 3 4.9 | 0 0.0 | 34 55.7 |
| Minami-aizu | 1,803 | 1,800 99.8 | 737 40.9 | 1,047 58.2 | 16 0.9 | 0 0.0 | 16 0.9 | 13 0.7 | 0 0.0 | 1,049 58.3 |
| Kaneyama | 136 | 134 98.5 | 63 47.0 | 71 53.0 | 0 0.0 | 0 0.0 | 0 0.0 | 1 0.7 | 0 0.0 | 71 53.0 |
| Showa | 101 | 101 100.0 | 56 55.4 | 45 44.6 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 45 44.6 |
| Mishima | 129 | 129 100.0 | 38 29.5 | 90 69.8 | 1 0.8 | 0 0.0 | 1 0.8 | 0 0.0 | 0 0.0 | 91 70.5 |
| Shimogo | 688 | 688 100.0 | 316 45.9 | 362 52.6 | 10 1.5 | 0 0.0 | 10 1.5 | 4 0.6 | 0 0.0 | 365 53.1 |
| Kitakata | 5,710 | 5,692 99.7 | 2,263 39.8 | 3,383 59.4 | 46 0.8 | 0 0.0 | 46 0.8 | 40 0.7 | 0 0.0 | 3,390 59.6 |
| Nishiaizu | 638 | 638 100.0 | 243 38.1 | 390 61.1 | 5 0.8 | 0 0.0 | 5 0.8 | 5 0.8 | 0 0.0 | 392 61.4 |
| Tadami | 492 | 492 100.0 | 202 41.1 | 283 57.5 | 7 1.4 | 0 0.0 | 7 1.4 | 3 0.6 | 0 0.0 | 285 57.9 |
| Inawashiro | 1,871 | 1,867 99.8 | 776 41.6 | 1,078 57.7 | 13 0.7 | 0 0.0 | 13 0.7 | 13 0.7 | 0 0.0 | 1,079 57.8 |
| Bandai | 413 | 411 99.5 | 166 40.4 | 241 58.6 | 4 1.0 | 0 0.0 | 4 1.0 | 2 0.5 | 0 0.0 | 243 59.1 |
| Kitashiobara | 382 | 382 100.0 | 160 41.9 | 221 57.9 | 1 0.3 | 0 0.0 | 1 0.3 | 3 0.8 | 0 0.0 | 221 57.9 |
| Aizumisato | 2,547 | 2,544 99.9 | 1,057 41.5 | 1,461 57.4 | 26 1.0 | 0 0.0 | 26 1.0 | 17 0.7 | 0 0.0 | 1,473 57.9 |
| Aizubange | 2,074 | 2,070 99.8 | 838 40.5 | 1,207 58.3 | 25 1.2 | 0 0.0 | 25 1.2 | 9 0.4 | 0 0.0 | 1,217 58.8 |
| Yanaizu | 375 | 375 100.0 | 177 47.2 | 196 52.3 | 2 0.5 | 0 0.0 | 2 0.5 | 0 0.0 | 0 0.0 | 198 52.8 |
| Aizuwakamatsu | 14,632 | 14,590 99.7 | 6,025 41.3 | 8,407 57.6 | 158 1.1 | 0 0.0 | 157 1.1 | 114 0.8 | 1 0.0 | 8,454 57.9 |
| Yugawa | 507 | 506 99.8 | 185 36.6 | 314 62.1 | 7 1.4 | 0 0.0 | 7 1.4 | 2 0.4 | 0 0.0 | 317 62.6 |
| Subtotal | 115,004 | 114,783 99.8 | 49,923 43.5 | 63,830 55.6 | 1,030 0.9 | 0 0.0 | 1,028 0.9 | 710 0.6 | 2 0.0 | 64,117 55.9 |
| Total | 296,026 | 295,689 99.9 | 152,389 51.5 | 141,063 47.7 | 2,236 0.8 | 1 0.0 | 2,218 0.8 | 1,670 0.6 | 12 0.0 | 141,387 47.8 |

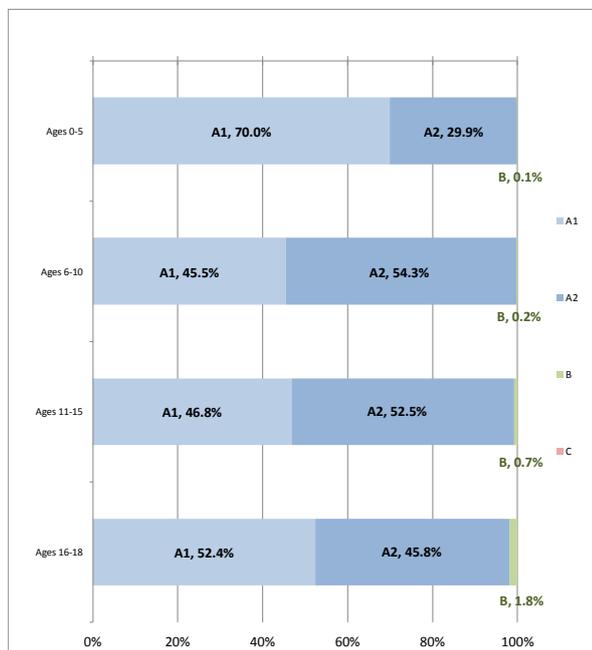
Appendix 5

1. Thyroid Ultrasound Examination results by age and sex

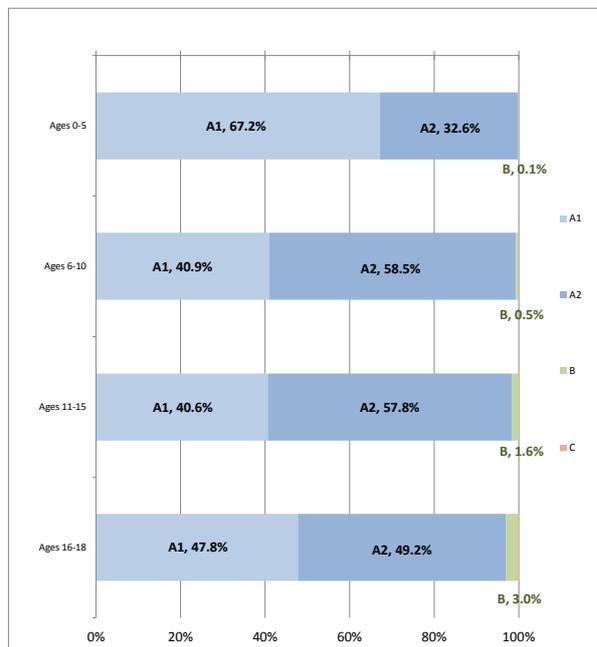
As of 30 June 2014

| Ages | A | | | | | | B | | | C | | | Total | | |
|--------------|---------------|---------------|----------------|---------------|---------------|----------------|------------|--------------|--------------|----------|----------|----------|----------------|----------------|----------------|
| | A1 | | | A2 | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| | Male | Female | Total | Male | Female | Total | | | | | | | | | |
| 0-5 | 30,915 | 28,230 | 59,145 | 13,223 | 13,692 | 26,915 | 41 | 57 | 98 | 0 | 0 | 0 | 44,179 | 41,979 | 86,158 |
| 6-10 | 21,396 | 18,282 | 39,678 | 25,552 | 26,146 | 51,698 | 116 | 236 | 352 | 0 | 0 | 0 | 47,064 | 44,664 | 91,728 |
| 11-15 | 19,858 | 17,047 | 36,905 | 22,288 | 24,268 | 46,556 | 316 | 652 | 968 | 0 | 0 | 0 | 42,462 | 41,967 | 84,429 |
| 16-18 | 8,133 | 8,528 | 16,661 | 7,116 | 8,778 | 15,894 | 278 | 540 | 818 | 0 | 1 | 1 | 15,527 | 17,847 | 33,374 |
| Total | 80,302 | 72,087 | 152,389 | 68,179 | 72,884 | 141,063 | 751 | 1,485 | 2,236 | 0 | 1 | 1 | 149,232 | 146,457 | 295,689 |

Test results by age group (Male)



Test results by age group (Female)



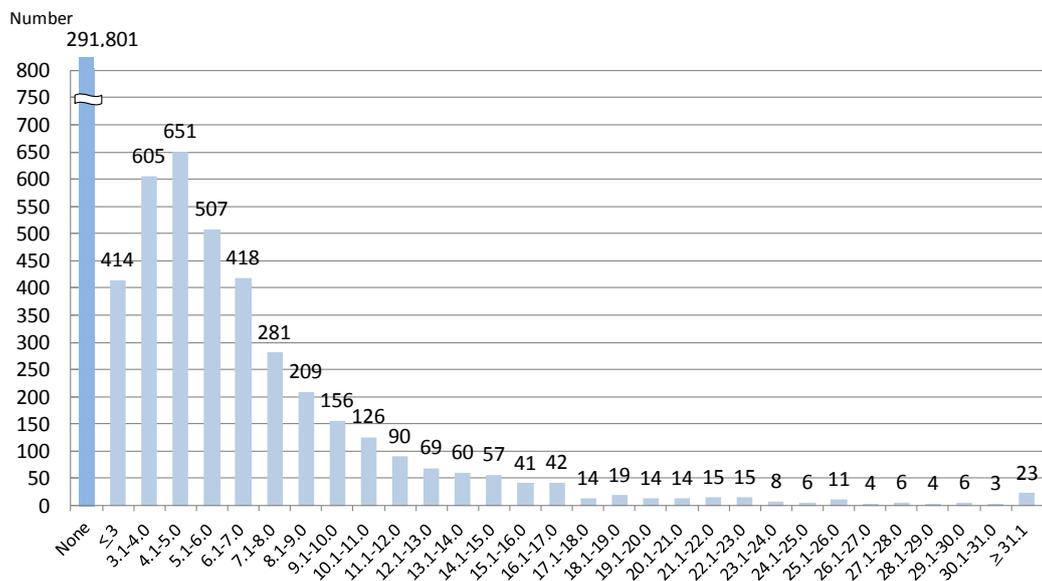
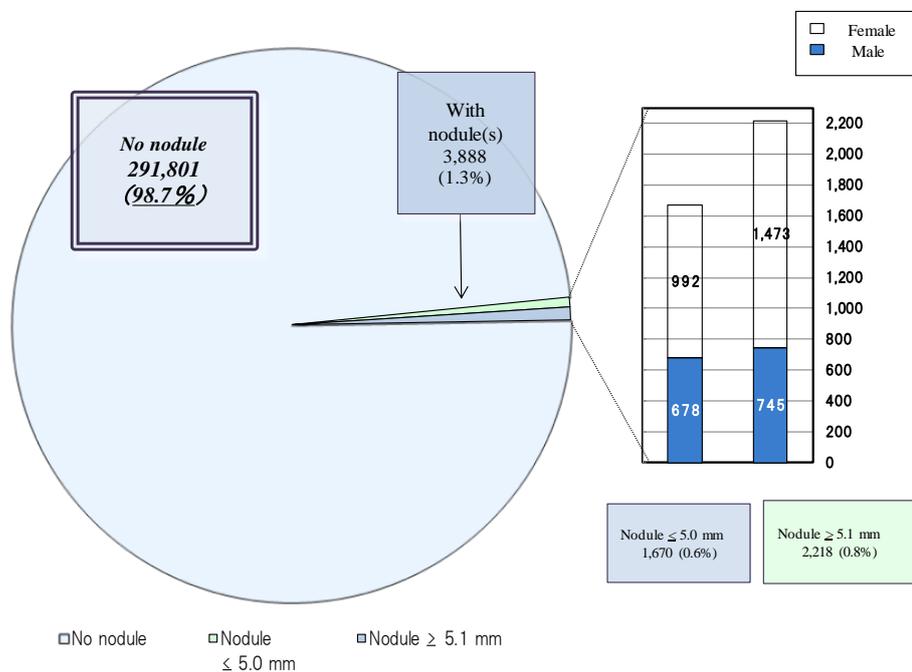
Percentages have been rounded and may not total to 100%.

Ages are at the time of the disaster.

2. Nodule size

As of 30 June 2014

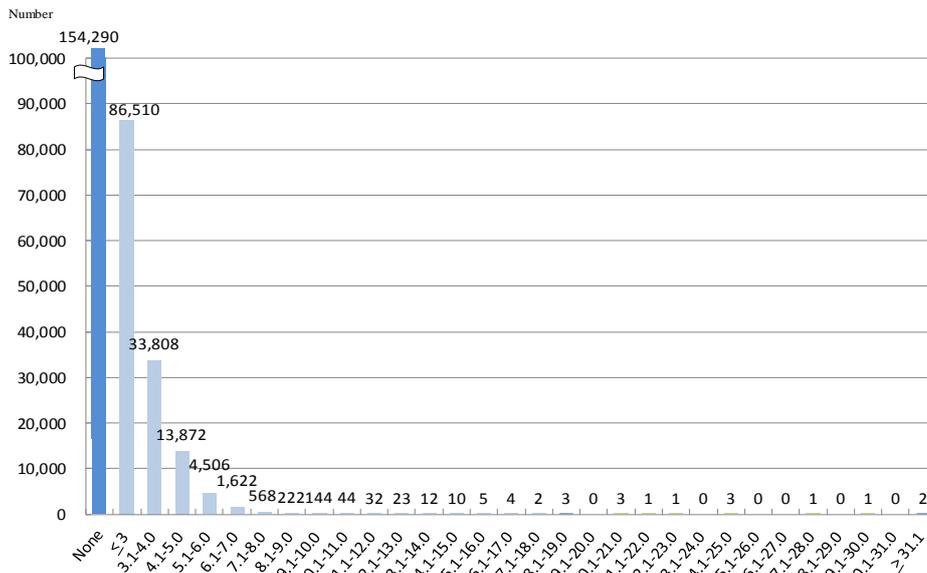
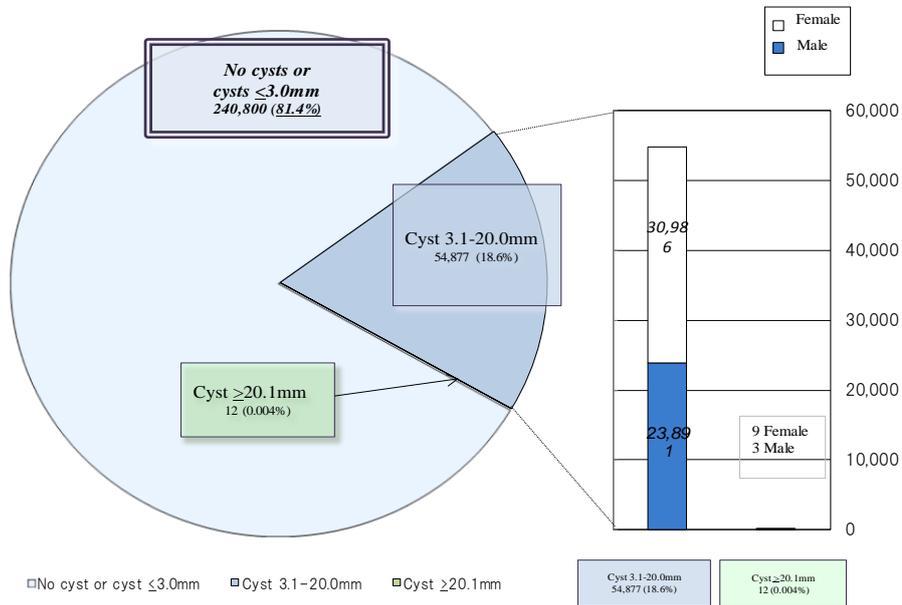
| Nodule size | Total | Gender | | Test result | Proportion |
|--------------|----------------|----------------|----------------|-------------|------------|
| | | Male | Female | | |
| None | 291,801 | 147,809 | 143,992 | A1 | 98.7% |
| < 3.0 mm | 414 | 186 | 228 | A2 | 0.6% |
| 3.1-5.0 mm | 1,256 | 492 | 764 | | |
| 5.1-10.0 mm | 1,571 | 560 | 1,011 | B | 0.8% |
| 10.1-15.0 mm | 402 | 113 | 289 | | |
| 15.1-20.0 mm | 130 | 39 | 91 | | |
| 20.1-25.0 mm | 58 | 17 | 41 | | |
| > 25.1 mm | 57 | 16 | 41 | | |
| Total | 295,689 | 149,232 | 146,457 | | |



3. Cyst size

As of 30 June 2014

| Cyst size | Total | Gender | | Class | % |
|--------------|----------------|----------------|----------------|-----------|--------|
| | | Male | Female | | |
| None | 154,290 | 81,033 | 73,257 | A1(52.2%) | 81.4% |
| ≤ 3.0 mm | 86,510 | 44,305 | 42,205 | A2(47.8%) | |
| 3.1-5.0 mm | 47,680 | 21,342 | 26,338 | | |
| 5.1-10.0 mm | 7,062 | 2,507 | 4,555 | | |
| 10.1-15.0 mm | 121 | 41 | 80 | | |
| 15.1-20.0 mm | 14 | 1 | 13 | B(0.004%) | 0.004% |
| 20.1-25.0 mm | 8 | 1 | 7 | | |
| ≥ 25.1 mm | 4 | 2 | 2 | | |
| Total | 295,689 | 149,232 | 146,457 | | |



Appendix 6

Confirmatory test results by municipality

As of 30 June 2014

| | Number of children screened a | Number who required confirmatory test b Proportion (%) | Number of children who underwent confirmatory test by age | | | | | Number of confirmed results | | | | |
|--|----------------------------------|--|---|---------------------------------|----------------------------------|-----------------------------------|-----------------------------------|------------------------------|---------------------------|---------------------------|---------------------|---|
| | | | Total c Proportion (%) | Ages 0-5 d Proportion (%) | Ages 6-10 e Proportion (%) | Ages 11-15 f Proportion (%) | Ages 16-18 g Proportion (%) | Total h Proportion (%) | Next screening advised | | Follow-up advised | |
| | | | | | | | | | A1 i Proportion (%) | A2 j Proportion (%) | k Proportion (%) | Aspiration biopsy cytology l Proportion (%) |
| Target municipalities for Confirmatory test in FY 2011 | | | | | | | | | | | | |
| Kawamata | 2,221 | 8 0.4 | 8 100.0 | 0 0.0 | 1 12.5 | 3 37.5 | 4 50.0 | 7 87.5 | 1 14.3 | 0 0.0 | 6 85.7 | 5 83.3 |
| Namie | 3,249 | 26 0.8 | 23 88.5 | 1 4.3 | 3 13.0 | 7 30.4 | 12 52.2 | 23 100.0 | 1 4.3 | 4 17.4 | 18 78.3 | 12 66.7 |
| Iitate | 943 | 6 0.6 | 6 100.0 | 0 0.0 | 2 33.3 | 1 16.7 | 3 50.0 | 6 100.0 | 0 0.0 | 3 50.0 | 3 50.0 | 3 100.0 |
| Minami-soma | 10,789 | 52 0.5 | 48 92.3 | 6 12.5 | 5 10.4 | 16 33.3 | 21 43.8 | 48 100.0 | 4 8.3 | 11 22.9 | 33 68.8 | 19 57.6 |
| Date | 10,606 | 50 0.5 | 44 88.0 | 0 0.0 | 3 6.8 | 16 36.4 | 25 56.8 | 44 100.0 | 4 9.1 | 8 18.2 | 32 72.7 | 23 71.9 |
| Tamura | 6,327 | 32 0.5 | 25 78.1 | 1 4.0 | 3 12.0 | 12 48.0 | 9 36.0 | 24 96.0 | 0 0.0 | 3 12.5 | 21 87.5 | 14 66.7 |
| Hirono | 838 | 5 0.6 | 4 80.0 | 0 0.0 | 1 25.0 | 1 25.0 | 2 50.0 | 3 75.0 | 1 33.3 | 2 66.7 | 0 0.0 | 0 0.0 |
| Naraha | 1,153 | 7 0.6 | 6 85.7 | 1 16.7 | 0 0.0 | 1 16.7 | 4 66.7 | 5 83.3 | 0 0.0 | 2 40.0 | 3 60.0 | 1 33.3 |
| Tonioka | 2,302 | 13 0.6 | 12 92.3 | 0 0.0 | 1 8.3 | 5 41.7 | 6 50.0 | 12 100.0 | 0 0.0 | 2 16.7 | 10 83.3 | 7 70.0 |
| Kawauchi | 280 | 4 1.4 | 4 100.0 | 0 0.0 | 1 25.0 | 0 0.0 | 3 75.0 | 4 100.0 | 0 0.0 | 1 25.0 | 3 75.0 | 2 66.7 |
| Okuma | 1,973 | 14 0.7 | 12 85.7 | 1 8.3 | 1 8.3 | 5 41.7 | 5 41.7 | 12 100.0 | 1 8.3 | 4 33.3 | 7 58.3 | 2 28.6 |
| Futaba | 949 | 3 0.3 | 2 66.7 | 0 0.0 | 0 0.0 | 1 50.0 | 1 50.0 | 2 100.0 | 0 0.0 | 0 0.0 | 2 100.0 | 2 100.0 |
| Katsurao | 183 | 1 0.5 | 1 100.0 | 0 0.0 | 1 100.0 | 0 0.0 | 0 0.0 | 1 100.0 | 0 0.0 | 1 100.0 | 0 0.0 | 0 0.0 |
| Subtotal | 41,813 | 221 0.5 | 195 88.2 | 10 5.1 | 22 11.3 | 68 34.9 | 95 48.7 | 191 97.9 | 12 6.3 | 41 21.5 | 138 72.3 | 90 65.2 |
| Target municipalities for Confirmatory test in FY 2012 | | | | | | | | | | | | |
| Fukushima | 47,336 | 283 0.6 | 266 94.0 | 5 1.9 | 28 10.5 | 106 39.8 | 127 47.7 | 258 97.0 | 12 4.7 | 65 25.2 | 181 70.2 | 91 50.3 |
| Nihonmatsu | 8,846 | 55 0.6 | 52 94.5 | 0 0.0 | 5 9.6 | 26 50.0 | 21 40.4 | 50 96.2 | 2 4.0 | 7 14.0 | 41 82.0 | 24 58.5 |
| Motomiya | 5,233 | 29 0.6 | 28 96.6 | 1 3.6 | 3 10.7 | 14 50.0 | 10 35.7 | 26 92.9 | 0 0.0 | 8 30.8 | 18 69.2 | 7 38.9 |
| Otama | 1,372 | 7 0.5 | 7 100.0 | 0 0.0 | 0 0.0 | 4 57.1 | 3 42.9 | 7 100.0 | 0 0.0 | 1 14.3 | 6 85.7 | 4 66.7 |
| Koriyama | 53,962 | 458 0.8 | 398 86.9 | 17 4.3 | 64 16.1 | 166 41.7 | 151 37.9 | 383 96.2 | 23 6.0 | 118 30.8 | 242 63.2 | 96 39.7 |
| Kori | 1,857 | 14 0.8 | 11 78.6 | 1 9.1 | 2 18.2 | 3 27.3 | 5 45.5 | 11 100.0 | 0 0.0 | 2 18.2 | 9 81.8 | 2 22.2 |
| Kunimi | 1,429 | 15 1.0 | 13 86.7 | 2 15.4 | 2 15.4 | 2 15.4 | 7 53.8 | 13 100.0 | 1 7.7 | 2 15.4 | 10 76.9 | 4 40.0 |
| Tenei | 878 | 7 0.8 | 6 85.7 | 1 16.7 | 2 33.3 | 1 16.7 | 2 33.3 | 6 100.0 | 1 16.7 | 2 33.3 | 3 50.0 | 0 0.0 |
| Shirakawa | 10,805 | 61 0.6 | 58 95.1 | 2 3.4 | 10 17.2 | 27 46.6 | 19 32.8 | 58 100.0 | 6 10.3 | 13 22.4 | 39 67.2 | 15 38.5 |
| Nishigo | 3,618 | 30 0.8 | 26 86.7 | 2 7.7 | 6 23.1 | 9 34.6 | 9 34.6 | 26 100.0 | 2 7.7 | 8 30.8 | 16 61.5 | 5 31.3 |
| Izumizaki | 1,156 | 5 0.4 | 5 100.0 | 0 0.0 | 2 40.0 | 0 0.0 | 3 60.0 | 5 100.0 | 1 20.0 | 2 40.0 | 2 40.0 | 1 50.0 |
| Miharu | 2,717 | 22 0.8 | 21 95.5 | 0 0.0 | 1 4.8 | 11 52.4 | 9 42.9 | 21 100.0 | 4 19.0 | 4 19.0 | 13 61.9 | 6 46.2 |
| Subtotal | 139,209 | 986 0.7 | 891 90.4 | 31 3.5 | 125 14.0 | 369 41.4 | 366 41.1 | 864 97.0 | 52 6.0 | 232 26.9 | 580 67.1 | 255 44.0 |

h) Excluding participants who have not receive the test results.

| | Number of children screened a | Number who required confirmatory test b Proportion (%) | Number of children who underwent confirmatory test by age | | | | | Number of confirmed results | | | | |
|--|----------------------------------|--|---|---------------------------------|----------------------------------|-----------------------------------|-----------------------------------|------------------------------|---------------------------|---------------------------|---------------------|--|
| | | | Total c Proportion (%) | Ages 0-5 d Proportion (%) | Ages 6-10 e Proportion (%) | Ages 11-15 f Proportion (%) | Ages 16-18 g Proportion (%) | Total h Proportion (%) | Next screening advised | | Follow-up advised | |
| | | | | | | | | | AI i Proportion (%) | A2 j Proportion (%) | k Proportion (%) | Aspiration biopsy l Proportion (%) |
| | | | | | | | | | | | | |
| Target municipalities for Confirmatory test in FY 2013 | | | | | | | | | | | | |
| Iwaki* | 47,759 | 429 0.9 | 364 84.8 | 20 5.5 | 55 15.1 | 186 51.1 | 103 28.3 | 353 97.0 | 18 5.1 | 114 32.3 | 221 62.6 | 74 33.5 |
| Sukagawa | 11,532 | 101 0.9 | 96 95.0 | 6 6.3 | 16 16.7 | 52 54.2 | 22 22.9 | 94 97.9 | 7 7.4 | 32 34.0 | 55 58.5 | 12 21.8 |
| Soma | 5,046 | 46 0.9 | 41 89.1 | 3 7.3 | 9 22.0 | 19 46.3 | 10 24.4 | 39 95.1 | 3 7.7 | 15 38.5 | 21 53.8 | 6 28.6 |
| Kagamiishi | 1,947 | 9 0.5 | 7 77.8 | 0 0.0 | 4 57.1 | 3 42.9 | 0 0.0 | 7 100.0 | 0 0.0 | 1 14.3 | 6 85.7 | 1 16.7 |
| Shinchi | 1,105 | 7 0.6 | 7 100.0 | 0 0.0 | 3 42.9 | 3 42.9 | 1 14.3 | 6 85.7 | 0 0.0 | 0 0.0 | 6 100.0 | 3 50.0 |
| Nakajima | 801 | 2 0.2 | 2 100.0 | 0 0.0 | 0 0.0 | 1 50.0 | 1 50.0 | 2 100.0 | 0 0.0 | 0 0.0 | 2 100.0 | 1 50.0 |
| Yabuki | 2,452 | 17 0.7 | 12 70.6 | 0 0.0 | 2 16.7 | 6 50.0 | 4 33.3 | 11 91.7 | 0 0.0 | 3 27.3 | 8 72.7 | 1 12.5 |
| Ishikawa | 2,078 | 11 0.5 | 10 90.9 | 0 0.0 | 4 40.0 | 4 40.0 | 2 20.0 | 10 100.0 | 0 0.0 | 1 10.0 | 9 90.0 | 5 55.6 |
| Yamatsuri | 774 | 3 0.4 | 2 66.7 | 0 0.0 | 0 0.0 | 1 50.0 | 1 50.0 | 2 100.0 | 0 0.0 | 0 0.0 | 2 100.0 | 0 0.0 |
| Asakawa | 1,067 | 12 1.1 | 10 83.3 | 1 10.0 | 1 10.0 | 5 50.0 | 3 30.0 | 10 100.0 | 0 0.0 | 2 20.0 | 8 80.0 | 2 25.0 |
| Hirata | 824 | 9 1.1 | 8 88.9 | 0 0.0 | 4 50.0 | 3 37.5 | 1 12.5 | 7 87.5 | 1 14.3 | 1 14.3 | 5 71.4 | 1 20.0 |
| Tanagura | 2,256 | 22 1.0 | 22 100.0 | 2 9.1 | 5 22.7 | 9 40.9 | 6 27.3 | 19 86.4 | 2 10.5 | 2 10.5 | 15 78.9 | 5 33.3 |
| Hanawa | 1,210 | 8 0.7 | 6 75.0 | 0 0.0 | 1 16.7 | 3 50.0 | 2 33.3 | 4 66.7 | 0 0.0 | 1 25.0 | 3 75.0 | 0 0.0 |
| Samegawa | 503 | 3 0.6 | 1 33.3 | 0 0.0 | 0 0.0 | 0 0.0 | 1 100.0 | 1 100.0 | 0 0.0 | 0 0.0 | 1 100.0 | 0 0.0 |
| Ono | 1,317 | 14 1.1 | 12 85.7 | 1 8.3 | 1 8.3 | 6 50.0 | 4 33.3 | 11 91.7 | 0 0.0 | 4 36.4 | 7 63.6 | 0 0.0 |
| Tamakawa | 984 | 10 1.0 | 8 80.0 | 1 12.5 | 2 25.0 | 2 25.0 | 3 37.5 | 8 100.0 | 0 0.0 | 2 25.0 | 6 75.0 | 1 16.7 |
| Furudono | 790 | 6 0.8 | 6 100.0 | 0 0.0 | 1 16.7 | 4 66.7 | 1 16.7 | 6 100.0 | 0 0.0 | 2 33.3 | 4 66.7 | 1 25.0 |
| Hinoemata | 61 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 |
| Minami-aizu | 1,803 | 16 0.9 | 14 87.5 | 0 0.0 | 6 42.9 | 7 50.0 | 1 7.1 | 11 78.6 | 1 9.1 | 2 18.2 | 8 72.7 | 2 25.0 |
| Kaneyama | 136 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 |
| Showa | 101 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 |
| Mishima | 129 | 1 0.8 | 1 100.0 | 0 0.0 | 1 100.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 |
| Shimogo | 688 | 10 1.5 | 8 80.0 | 0 0.0 | 1 12.5 | 5 62.5 | 2 25.0 | 6 75.0 | 0 0.0 | 3 50.0 | 3 50.0 | 1 33.3 |
| Kitakata | 5,710 | 46 0.8 | 35 76.1 | 1 2.9 | 11 31.4 | 14 40.0 | 9 25.7 | 30 85.7 | 2 6.7 | 6 20.0 | 22 73.3 | 7 31.8 |
| Nishiazu | 638 | 5 0.8 | 4 80.0 | 0 0.0 | 2 50.0 | 1 25.0 | 1 25.0 | 2 50.0 | 0 0.0 | 0 0.0 | 2 100.0 | 0 0.0 |
| Tadami | 492 | 7 1.4 | 6 85.7 | 0 0.0 | 3 50.0 | 3 50.0 | 0 0.0 | 6 100.0 | 0 0.0 | 2 33.3 | 4 66.7 | 1 25.0 |
| Inawashiro | 1,871 | 13 0.7 | 10 76.9 | 1 10.0 | 1 10.0 | 6 60.0 | 2 20.0 | 8 80.0 | 2 25.0 | 3 37.5 | 3 37.5 | 0 0.0 |
| Bandai | 413 | 4 1.0 | 3 75.0 | 1 33.3 | 0 0.0 | 1 33.3 | 1 33.3 | 3 100.0 | 1 33.3 | 0 0.0 | 2 66.7 | 0 0.0 |
| Kitashiobara | 382 | 1 0.3 | 1 100.0 | 1 100.0 | 0 0.0 | 0 0.0 | 0 0.0 | 1 100.0 | 0 0.0 | 1 100.0 | 0 0.0 | 0 0.0 |
| Aizumisato | 2,547 | 26 1.0 | 19 73.1 | 0 0.0 | 3 15.8 | 10 52.6 | 6 31.6 | 16 84.2 | 1 6.3 | 7 43.8 | 8 50.0 | 1 12.5 |
| Aizubange | 2,074 | 25 1.2 | 21 84.0 | 3 14.3 | 4 19.0 | 8 38.1 | 6 28.6 | 17 81.0 | 0 0.0 | 3 17.6 | 14 82.4 | 2 14.3 |
| Yanaizu | 375 | 2 0.5 | 2 100.0 | 0 0.0 | 0 0.0 | 2 100.0 | 0 0.0 | 1 50.0 | 0 0.0 | 1 100.0 | 0 0.0 | 0 0.0 |
| Aizuwakamatsu | 14,632 | 158 1.1 | 122 77.2 | 5 4.1 | 29 23.8 | 67 54.9 | 21 17.2 | 98 80.3 | 7 7.1 | 33 33.7 | 58 59.2 | 12 20.7 |
| Yugawa | 507 | 7 1.4 | 5 71.4 | 0 0.0 | 1 20.0 | 2 40.0 | 2 40.0 | 4 80.0 | 0 0.0 | 0 0.0 | 4 100.0 | 1 25.0 |
| Subtotal | 115,004 | 1,030 0.9 | 865 84.0 | 46 5.3 | 170 19.7 | 433 50.1 | 216 25.0 | 793 91.7 | 45 5.7 | 241 30.4 | 507 63.9 | 140 27.6 |
| Total | 296,026 | 2,237 0.8 | 1,951 87.2 | 87 4.5 | 317 16.2 | 870 44.6 | 677 34.7 | 1,848 94.7 | 109 5.9 | 514 27.8 | 1,225 66.3 | 485 39.6 |

*Including districts of FY 2012

Thyroid Ultrasound Examination (Full-scale Thyroid Screening Program)

Reported on 24 August 2014

1. Summary

1.1 Purpose

In order to protect the long-term health of children, we are now engaged in a Full-scale Thyroid Screening Program following a preliminary Initial Screening period.

1.2 Group

Residents of Fukushima Prefecture including visitors who were born between 2 April 1990 and 1 April 2011 (Initial Screening), and those who were born between 2 April 2011 and 1 April 2012.

1.3 Implementation Period

The full-scale screening starts from 2 April 2014 and lasts for two years.

We repeat the examination every two years until the age of 20, and every five years afterwards.

1.4 Responsible Organizations

Fukushima Prefecture commissioned Fukushima Medical University to conduct the survey in cooperation with institutions inside and outside Fukushima.

We provide the Primary Examination at four medical institutions under contract, and try to have more institutions inside Fukushima Prefecture.

Eighty-seven institutions outside Fukushima have agreed to cooperate as of 30 June 2014.

The confirmatory examination has been conducted in Koriyama and Iwaki in Fukushima Prefecture from July 2013, Aizuwakamatsu from August 2014, and several institutions outside Fukushima Prefecture from November 2013.

1.5 Method

1.5-1 Primary Examination

We used ultrasonography for examination of the thyroid gland.

Assessments were made by specialists on the basis of the following criteria.

-Diagnostic Criteria: A

Those with A1 and A2 test results were advised to take the next examination starting from April 2014.

(A1) No nodules / cysts

(A2) Nodules ≤ 5.0 mm or cysts ≤ 20.0 mm

-Diagnostic Criteria: B

Those with B test result are advised to take the Confirmatory Examination.

(B) Nodules ≥ 5.1 mm or cysts ≥ 20.1 mm

Some A2 test results may be classified as B results when clinically indicated.

-Diagnostic Criteria: C

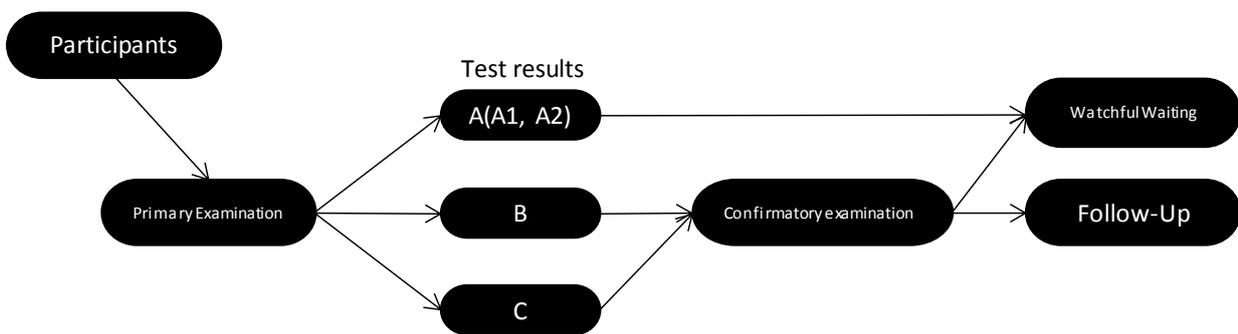
Those with C test result are advised to take the Confirmatory Examination.

(C) Immediate need for confirmatory examination.

1.5-2 Confirmatory Examination

We conduct fine-needle aspiration cytology (FNAC), blood test, and urine test for those with B or C test results.

1.5-3 Flow chart



1.6 Target Municipalities

-  25 target municipalities for FY 2014
-  34 target municipalities for FY 2015



2. Results

2.1 Primary Examination

The Primary Examination started from 2 April 2014, and the participation rate as of 30 June 2014 is 13.5% (28,775) out of around 220,000 from 25 municipalities (Appendix 1 and 2).

The results have been returned to 22.5% (6,465) of the participants (Appendix 3).

Those with A1 or A2 test results were 6,419 (99.3%), B were 46 (0.7%), and C were 0.

Table 1. Screening test coverage as of 30 June 2014

| | Target Population a | Participants | | Test results | | | | |
|---------|------------------------|---------------------------|----------------------------|---------------------------|--------------|--------------|-----------------------------|-----------|
| | | Proportion (%) b (b/a) | Screened outside Fukushima | Proportion (%) c (c/b) | Class | | | |
| | | | | | A | | Requiring confirmatory test | |
| | | | | | A1 d (d/c) | A2 e (e/c) | B f (f/c) | C g (g/c) |
| FY 2014 | 213,223 | 28,575 (13.4) | 1,893 | 6,458 (22.6) | 2,739 (42.4) | 3,673 (56.9) | 46 (0.7) | 0 (0.0) |
| FY 2015 | 200 | 200 (100.0) | 1 | 7 (3.5) | 1 (14.3) | 6 (85.7) | 0 (0.0) | 0 (0.0) |
| Total | 213,423 | 28,775 (13.5) | 1,894 | 6,465 (22.5) | 2,740 (42.4) | 3,679 (56.9) | 46 (0.7) | 0 (0.0) |

Table 2. Number and proportion of children with nodules/cysts as of 30 June 2014

| | Number of confirmed screening results a | Number and proportions of children with nodules/cysts | | | |
|---------|--|---|-------------------|--------------------|--------------------|
| | | Nodules | | Cysts | |
| | | ≥5.1mm b (b/a) | ≤5.0mm c (c/a) | ≥20.1mm d (d/a) | ≤20.0mm e (e/a) |
| FY 2014 | 6,458 | 46 (0.7) | 46 (0.7) | 0 (0.0) | 3,684 (57.0) |
| FY 2015 | 7 | 0 (0.0) | 0 (0.0) | 0 (0.0) | 6 (85.7) |
| Total | 6,465 | 46 (0.7) | 46 (0.7) | 0 (0.0) | 3,690 (57.1) |

Fractions have been rounded and may not total to 100%.

2.2 Confirmatory Examination

The number of children who required further testing (started in June 2014) is 46, of whom 22 (47.8%) underwent the confirmatory testing. Among them, 3 (13.6%) have completed the tests (Appendix 4).

Of 46 participants with B test results from the Primary Examination, 3 with confirmed test results of Confirmatory Examination have been confirmed within the range of A1 and A2.

Table 3. Confirmatory testing coverage and results as of 30 June 2014

| | Number of children requiring confirmatory test a | Participants Proportion (%) b (b/a) | Confirmed test results | | | | |
|---------|--|--|--|------------------------|----------------|-------------------|---------------------|
| | | | Confirmatory test coverage (%) c (c/b) | Next screening advised | | Follow-up advised | |
| | | | | A1 | A2 | f (f/e) | Cytology g (g/f) |
| | | | | d (d/c) | e (e/c) | | |
| FY 2014 | 46 | 22 (47.8) | 3 (13.6) | 0 (0.0) | 3 (100.0) | 0 (0.0) | 0 (0.0) |
| FY 2015 | 0 | 0 (0.0) | 0 (0.0) | 0 (0.0) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| Total | 46 | 22 (47.8) | 3 (13.6) | 0 (0.0) | 3 (100.0) | 0 (0.0) | 0 (0.0) |

Priority was given to those in urgent clinical need.

Those confirmed within the range of A1 and A2 (including those with other thyroid conditions) were advised to take the next examination.

Those who require 6- or 12-month follow-up provided by health insurance and those beyond the specified level of A2 were categorized as "Follow-up advised".

Appendix 1

| Thyroid Ultrasound Examination (TUE) coverage by municipality | | | | | | | | | As of 30 June 2014 | |
|---|------------------------|--------------|----------------------------------|-----------------------|--|----------------|---------------|-------------|---|-----------------------|
| | Target Population a | Participants | | Proportion (%) b/a | Number and proportion of participants by age group | | | | Participants living outside Fukushima c 4) | Proportion (%) c/b |
| | | b | Screened outside Fukushima 3) | | 2-7 | 8-12 | 13-17 | 18-22 | | |
| Screening coverage by municipality in FY 2014 | | | | | | | | | | |
| Kawamata | 2,461 | 1,277 | 15 | 51.9 | 333 26.1 | 545 42.7 | 381 29.8 | 18 1.4 | 13 | 1.0 |
| Namie | 3,769 | 1,103 | 305 | 29.3 | 379 34.4 | 327 29.6 | 264 23.9 | 133 12.1 | 343 | 31.1 |
| Iitate | 1,123 | 371 | 12 | 33.0 | 137 36.9 | 96 25.9 | 132 35.6 | 6 1.6 | 12 | 3.2 |
| Minami-soma | 12,980 | 4,522 | 777 | 34.8 | 946 20.9 | 2,165 47.9 | 1,259 27.8 | 152 3.4 | 744 | 16.5 |
| Date | 11,737 | 6,226 | 128 | 53.0 | 1,853 29.8 | 2,597 41.7 | 1,617 26.0 | 159 2.6 | 100 | 1.6 |
| Tamura | 7,320 | 3,000 | 54 | 41.0 | 572 19.1 | 1,539 51.3 | 834 27.8 | 55 1.8 | 45 | 1.5 |
| Hirono | 1,108 | 397 | 27 | 35.8 | 113 28.5 | 141 35.5 | 104 26.2 | 39 9.8 | 27 | 6.8 |
| Naraha | 1,488 | 592 | 58 | 39.8 | 173 29.2 | 194 32.8 | 169 28.5 | 56 9.5 | 67 | 11.3 |
| Tomioka | 3,101 | 905 | 176 | 29.2 | 273 30.2 | 261 28.8 | 246 27.2 | 125 13.8 | 217 | 24.0 |
| Kawauchi | 360 | 110 | 4 | 30.6 | 29 26.4 | 50 45.5 | 27 24.5 | 4 3.6 | 6 | 5.5 |
| Okuma | 2,498 | 963 | 159 | 38.6 | 326 33.9 | 317 32.9 | 253 26.3 | 67 7.0 | 191 | 19.8 |
| Futaba | 1,258 | 284 | 88 | 22.6 | 107 37.7 | 91 32.0 | 63 22.2 | 23 8.1 | 105 | 37.0 |
| Katsurao | 240 | 60 | 5 | 25.0 | 19 31.7 | 26 43.3 | 12 20.0 | 3 5.0 | 5 | 8.3 |
| Fukushima | 55,708 | 8,364 | 81 | 15.0 | 1,687 20.2 | 4,374 52.3 | 2,208 26.4 | 95 1.1 | 80 | 1.0 |
| Nihonmatsu | 10,484 | 97 | 0 | 0.9 | 9 9.3 | 6 6.2 | 75 77.3 | 7 7.2 | 1 | 1.0 |
| Motomiya | 6,321 | 19 | 0 | 0.3 | 2 10.5 | 0 0.0 | 17 89.5 | 0 0.0 | 0 | 0.0 |
| Otama | 1,677 | 6 | 0 | 0.4 | 0 0.0 | 0 0.0 | 6 100.0 | 0 0.0 | 0 | 0.0 |
| Koriyama | 64,383 | 90 | 3 | 0.1 | 34 37.8 | 30 33.3 | 26 28.9 | 0 0.0 | 3 | 3.3 |
| Kori | 2,065 | 92 | 0 | 4.5 | 9 9.8 | 12 13.0 | 67 72.8 | 4 4.3 | 0 | 0.0 |
| Kumimi | 1,593 | 42 | 0 | 2.6 | 4 9.5 | 7 16.7 | 30 71.4 | 1 2.4 | 0 | 0.0 |
| Tenei | 1,061 | 2 | 0 | 0.2 | 1 50.0 | 1 50.0 | 0 0.0 | 0 0.0 | 0 | 0.0 |
| Shirakawa | 12,155 | 9 | 0 | 0.1 | 4 44.4 | 3 33.3 | 2 22.2 | 0 0.0 | 0 | 0.0 |
| Nishigo | 3,977 | 5 | 1 | 0.1 | 0 0.0 | 1 20.0 | 3 60.0 | 1 20.0 | 1 | 20.0 |
| Izumizaki | 1,289 | 0 | 0 | 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 0 | 0.0 |
| Miharu | 3,067 | 39 | 0 | 1.3 | 9 23.1 | 27 69.2 | 3 7.7 | 0 0.0 | 0 | 0.0 |
| Subtotal | 213,223 | 28,575 | 1,893 | 13.4 | 7,019 24.6 | 12,810 44.8 | 7,798 27.3 | 948 3.3 | 1,960 | 6.9 |
| Screening coverage by municipality in FY 2015 | | | | | | | | | | |
| Subtotal | 200 | 200 | 1 | 100.0 | 40 20.0 | 68 34.0 | 84 42.0 | 8 4.0 | 8 | 4.0 |
| Total | 213,423 | 28,775 | 1,894 | 13.5 | 7,059 24.5 | 12,878 44.8 | 7,882 27.4 | 956 3.3 | 1,968 | 6.8 |

1) Number of participants. 2) Number of participants in the age group/Number of participants.

3) Number of participants who underwent the test outside Fukushima.

Fractions have been rounded and may not total to 100%. Ages are at the time of the disaster.

Appendix 2

Thyroid Ultrasound Examination (TUE) coverage by prefecture

As of 30 June 2014

| Prefecture | Number of test venues | Participants | Prefecture | Number of test venues | Participants | Prefecture | Number of test venues | Participants |
|------------|-----------------------|--------------|------------|-----------------------|--------------|--------------|-----------------------|--------------|
| Hokkaido | 4 | 16 | Fukui | 1 | 5 | Hiroshima | 1 | 0 |
| Aomori | 1 | 19 | Yamanashi | 1 | 32 | Yamaguchi | 1 | 2 |
| Iwate | 2 | 27 | Nagano | 2 | 5 | Tokushima | 1 | 1 |
| Miyagi | 2 | 457 | Gifu | 1 | 8 | Kagawa | 1 | 0 |
| Akita | 1 | 31 | Shizuoka | 2 | 8 | Ehime | 1 | 0 |
| Yamagata | 3 | 71 | Aichi | 3 | 15 | Kōchi | 1 | 0 |
| Ibaraki | 2 | 113 | Mie | 1 | 0 | Fukuoka | 2 | 3 |
| Tochigi | 5 | 110 | Shiga | 1 | 1 | Saga | 1 | 0 |
| Gunma | 1 | 4 | Kyōto | 2 | 2 | Nagasaki | 2 | 0 |
| Saitama | 1 | 36 | Ōsaka | 6 | 16 | Kumamoto | 1 | 0 |
| Chiba | 3 | 52 | Hyōgo | 2 | 17 | Ōita | 1 | 0 |
| Tōkyō | 10 | 228 | Nara | 1 | 0 | Miyazaki | 1 | 3 |
| Kanagawa | 4 | 231 | Wakayama | 1 | 0 | Kagoshima | 1 | 0 |
| Niigata | 1 | 363 | Tottori | 1 | 0 | Okinawa | 1 | 6 |
| Toyama | 1 | 0 | Shimane | 1 | 0 | | | |
| Ishikawa | 1 | 6 | Okayama | 3 | 6 | | | |
| | | | | | | Total | 87 | 1,894 |

Participants underwent testing at venues outside Fukushima carried out either by Fukushima Medical University staff (once in Niigata and Kanagawa respectively) or by local specialists.

Appendix 3

Results of primary examination by municipality

As of 30 June 2014

| | Participants a | Number confirmed b Proportion (%) b/a (%) | Number by test results | | | | Nodules | | Cysts | |
|--|-------------------|--|------------------------|----|---|---|----------------|------|----------------|---------|
| | | | Proportion (%) | | | | Proportion (%) | | Proportion (%) | |
| | | | A | | B | C | ≥5.1 | ≤5.0 | ≥20.1mm | ≤20.0mm |
| | | | A1 | A2 | | | | | | |

Screening coverage by municipality in FY 2014

| | | | | | | | | | | |
|-------------|--------|-------|-------|-------|-----|-----|-----|-----|-----|-------|
| Kawamata | 1,277 | 1,114 | 490 | 618 | 6 | 0 | 6 | 8 | 0 | 620 |
| | | 87.2 | 44.0 | 55.5 | 0.5 | 0.0 | 0.5 | 0.7 | 0.0 | 55.7 |
| Namie | 1,103 | 699 | 304 | 390 | 5 | 0 | 5 | 3 | 0 | 393 |
| | | 63.4 | 43.5 | 55.8 | 0.7 | 0.0 | 0.7 | 0.4 | 0.0 | 56.2 |
| Iitate | 371 | 129 | 57 | 69 | 3 | 0 | 3 | 1 | 0 | 69 |
| | | 34.8 | 44.2 | 53.5 | 2.3 | 0.0 | 2.3 | 0.8 | 0.0 | 53.5 |
| Minami-soma | 4,522 | 2,248 | 891 | 1,345 | 12 | 0 | 12 | 14 | 0 | 1,348 |
| | | 49.7 | 39.6 | 59.8 | 0.5 | 0.0 | 0.5 | 0.6 | 0.0 | 60.0 |
| Date | 6,226 | 53 | 24 | 28 | 1 | 0 | 1 | 1 | 0 | 27 |
| | | 0.9 | 45.3 | 52.8 | 1.9 | 0.0 | 1.9 | 1.9 | 0.0 | 50.9 |
| Tamura | 3,000 | 15 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | 0.5 | 53.3 | 46.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.7 |
| Hirono | 397 | 245 | 107 | 132 | 6 | 0 | 6 | 4 | 0 | 132 |
| | | 61.7 | 43.7 | 53.9 | 2.4 | 0.0 | 2.4 | 1.6 | 0.0 | 53.9 |
| Naraha | 592 | 383 | 178 | 203 | 2 | 0 | 2 | 3 | 0 | 204 |
| | | 64.7 | 46.5 | 53.0 | 0.5 | 0.0 | 0.5 | 0.8 | 0.0 | 53.3 |
| Tomioka | 905 | 704 | 298 | 400 | 6 | 0 | 6 | 5 | 0 | 401 |
| | | 77.8 | 42.3 | 56.8 | 0.9 | 0.0 | 0.9 | 0.7 | 0.0 | 57.0 |
| Kawauchi | 110 | 51 | 15 | 36 | 0 | 0 | 0 | 0 | 0 | 36 |
| | | 46.4 | 29.4 | 70.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.6 |
| Okuma | 963 | 578 | 248 | 325 | 5 | 0 | 5 | 7 | 0 | 327 |
| | | 60.0 | 42.9 | 56.2 | 0.9 | 0.0 | 0.9 | 1.2 | 0.0 | 56.6 |
| Futaba | 284 | 187 | 88 | 99 | 0 | 0 | 0 | 0 | 0 | 99 |
| | | 65.8 | 47.1 | 52.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.9 |
| Katsurao | 60 | 17 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | 28.3 | 64.7 | 35.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.3 |
| Fukushima | 8,364 | 23 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | 0.3 | 56.5 | 43.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43.5 |
| Nihonmatsu | 97 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 4.1 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.0 |
| Motomiya | 19 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5.3 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Otama | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Koriyama | 90 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 4.4 | 75.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.0 |
| Kori | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kunimi | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tenei | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 100.0 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.0 |
| Shirakawa | 9 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 11.1 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nishiigo | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Izumizaki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Miharu | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Subtotal | 28,575 | 6,458 | 2,739 | 3,673 | 46 | 0 | 46 | 46 | 0 | 3,684 |
| | | 22.6 | 42.4 | 56.9 | 0.7 | 0.0 | 0.7 | 0.7 | 0.0 | 57.0 |

Screening coverage by municipality in FY 2015

| | | | | | | | | | | |
|----------|--------|-------|-------|-------|-----|-----|-----|-----|-----|-------|
| Subtotal | 200 | 7 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | 3.5 | 14.3 | 85.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.7 |
| Total | 28,775 | 6,465 | 2,740 | 3,679 | 46 | 0 | 46 | 46 | 0 | 3,690 |
| | | 22.5 | 42.4 | 56.9 | 0.7 | 0.0 | 0.7 | 0.7 | 0.0 | 57.1 |

Fractions have been rounded and may not total to 100%.

