

Pregnancy and Birth Survey

Reported on 20 August 2013

1. Interim report of Pregnancy and Birth Survey (FY2012)

The pregnancy and Birth Survey targeted (1) women who received Maternal and Child Health Handbooks from municipal offices in Fukushima Prefecture between 1 August 2011 and 31 July 2012, and (2) those who had handbooks issued in other prefectures but received prenatal care or delivered babies in Fukushima during the period.

A total of 14,516 questionnaires were distributed after the middle of December 2012.

1.1 Number of responses

- The number of responses as of 30 June was 6,913 (47.6%). The number of responses identified in each area is as follows: 1,780 (53.2%) in Kempoku, 2,002 (47.2%) in Kenchu, 540 (46.4%) in Kennan, 492 (43.0%) in Soso, 1,150 (45.7%) in Iwaki, 777 (42.0%) in Aizu, 77 (49.0%) in Minami-aizu, 95 (99.0%) in outside Fukushima.

1.2 Pregnancy outcome

- The proportion of miscarriage in Fukushima Prefecture was 0.79% and that of induced abortion was 0.09%, no different from the previous fiscal year. The proportion of premature delivery was 5.86% which was higher than the previous fiscal year (4.75%).
- The proportion of congenital malformations or child anomalies in singleton pregnancy was 2.32% in Fukushima Prefecture, which was more or less the same as that in general research (3-5%) like the previous fiscal year (2.74%). Cardiovascular malformations were the leading disease (0.80%).

1.3 Maternal mental health

- The survey showed 25.6% of respondents with depression in Fukushima Prefecture, which was lower than 27.1% in the previous fiscal year. The proportion was highest in Soso area (32.1%) as was the case the previous fiscal year. The area with lowest rate of depression was Minami-aizu (18.2%). According to the Maternal and Child Health 21, using Edinburgh Postnatal Depression Scale, the proportion of post natal depression was 10.3% in 2009.

1.4 Housing environment and child rearing

- The proportion of evacuees living in temporary housing or other housing was high in Soso area (61.5%).

- Asked how they fed the baby, 35.3% respondents were breastfeeding only, 54.2% used a mixture of breast milk and infant formula, 9.9% fed infant formula only. The proportion of those who chose only to breastfeed increased compared to the previous fiscal year (30.4%). The anxiety associated with the effects of radiation on breast milk was the reason for using formula (6.2%). The proportion was lower than the previous fiscal year (19.8%).
- The proportion of those who said they felt confident about child rearing was 46.0%. According to the Infant Health Survey 2010 by the Japanese Society of Child Health, the proportion was 40.5% when the child was one year old.

1.5 The Quality of medical care

- The proportion of those who thought they received adequate care was 81.3% (including ‘Yes-very much so’ and ‘Yes’).
- The proportion of those who could not attend the same facility that they originally intended to visit for obstetric exams or delivery was 14.2% in Fukushima Prefecture, lower than the previous fiscal year (24.6%). The proportion was highest for the Soso area in the previous fiscal year (72.8%) and for the outside Fukushima in the current fiscal year (28.4%). Those who changed to a different facility outside Fukushima of their own accord were 25.1%, the proportion was lower than the previous fiscal year (54.7%).
- The proportion of those who could not undergo obstetric exams as scheduled was 2.3% in Fukushima Prefecture, which was lower than the previous fiscal year (18.8%). Those who thought they were affected by the change were 26.5% in Fukushima Prefecture.

1.6 Next pregnancy

- The proportion of those who are planning to have another baby in the future was 52.7%. According to the Fourteenth Japanese National Fertility Survey in 2010, of couples married for less than 10 year, the proportion of those who want to have a baby was 58% (the proportion was 51% when the couples already had one).
- Services requested by those who wish to have a baby in the future were the information and services regarding child care and pediatric healthcare (70.3%), followed by the adequate nursery school, childcare offering extended hours, and daycare places where sick children can stay (65.7%).
- The reasons for not planning to have a baby in the future are as follows: 46.5% just did not want one, 35.6% said they were busy raising their children, and 14.9% were worried about the effects of radiation.

1.7 Telephone Counseling Conversations

- The number of telephone counseling conversations was 1,059. Those identified as in need of

support were 726 (68.6%) respondents with sign of depression. Additionally, 333 (31.4%) respondents were identified as in need of support based on the free-answer question.

- The most frequently mentioned issue was the mental and physical health issues of mothers (33.1%) followed by child rearing (26.7%). The anxiety about radiation, the most frequently mentioned issue in the previous fiscal year, declined from 29.2% to 23.4%.

1.8 Free-answer question

- 1,430 (20.7%) respondents answered. The number was lower than 3,722 (40.0%) respondents in the previous fiscal year.
- The frequently written issue was the effects of radiation on fetus and child (26.1%), as the previous fiscal year (29.6%).

FY2012 is from 1 April 2012 through 31 March 2013.

2. Pregnancy and Birth Survey comparisons to the previous surveys (FY 2011 and FY2012)

The percentages have been rounded and may not total to 100%.

2.1 Response rate

(FY 2012) From 17 December 2012 through 30 June 2013

Area	Target population (%)	Number of responses (%)
Kempoku	3,347 (23.1)	1,780 (53.2)
Kenchu	4,243 (29.2)	2,002 (47.2)
Kennan	1,164 (8.0)	540 (46.4)
Soso	1,145 (7.9)	492 (43.0)
Iwaki	2,516 (17.3)	1,150 (45.7)
Aizu	1,848 (12.7)	777 (42.0)
Minami-aizu	157 (1.1)	77 (49.0)
Outside Fukushima	96 (0.7)	95 (99.0)
Total	14,516 (100.0)	6,913 (47.6)

The data of 6,876 respondents were collected excluding 37 invalid responses (3 no answer, 33 based on the date of the issue of Maternal and Child Health Handbooks, 1 based on the date of delivery).

(FY 2011) From 20 January 2012 through 31 March 2013

Area	Target population (%)	Number of responses (%)
Kempoku	3,647 (22.8)	2,288 (62.7)
Kenchu	4,819 (30.1)	2,857 (59.3)
Kennan	1,256 (7.8)	631 (50.2)
Soso	1,468 (9.2)	962 (65.5)
Iwaki	2,711 (16.9)	1,513 (55.8)
Aizu	1,919 (12.0)	957 (49.9)
Minami-aizu	152 (0.9)	85 (55.9)
Outside Fukushima	29 (0.2)	23 (79.3)
Total	16,001 (100.0)	9,316 (58.2)

The data of 8,812 respondents were collected excluding 504 invalid responses (3 no answer, 1 death of participant, 1 refused to answer, 19 multiple responses, 25 inconsistent answers, 455 delivery before the disaster on 11 March 2011).

2.2 Pregnancy outcome

(FY2012) *Due to the different outcomes in twin pregnancy, total number does not match the sum of respondents. n(%)

Area	Pregnant	Childbirth	Miscarriage	Induced abortion	Stillbirth	Total
Kempoku	13 (0.73)	1,737 (98.02)	16 (0.90)	0 (0.00)	6 (0.34)	1,772
Kenchu	9 (0.45)	1,966 (98.65)	10 (0.50)	2 (0.10)	6 (0.30)	1,993
Kennan	3 (0.56)	532 (98.52)	5 (0.93)	0 (0.00)	0 (0.00)	540
Soso	4 (0.83)	467 (96.69)	7 (1.45)	3 (0.62)	2 (0.41)	483
Iwaki	8 (0.70)	1,122 (98.16)	11 (0.96)	0 (0.00)	2 (0.17)	1,143
Aizu	2 (0.26)	762 (98.45)	5 (0.65)	1 (0.13)	4 (0.52)	774
Minami-aizu	0 (0.00)	77 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	77
Outside Fukushima	0 (0.00)	95 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	95
Total	39 (0.57)	6,758 (98.27)	54 (0.79)	6 (0.09)	20 (0.29)	6,877*

(FY2011)						n(%)
Area	Pregnant	Childbirth	Miscarriage	Induced abortion	Stillbirth	Total
Kempoku	20(0.92)	2,124(98.11)	16(0.74)	1(0.05)	4(0.18)	2,165
Kenchu	45(1.67)	2,616(96.92)	28(1.04)	2(0.07)	8(0.30)	2,699
Kennan	7(1.17)	588(98.00)	4(0.67)	0(0.00)	1(0.17)	600
Soso	4(0.44)	897(98.25)	7(0.77)	1(0.11)	4(0.44)	913
Iwaki	20(1.41)	1,384(97.33)	12(0.84)	1(0.07)	5(0.35)	1,422
Aizu	18(1.98)	888(97.91)	1(0.11)	0(0.00)	0(0.00)	907
Minami-aizu	2(2.38)	82(97.62)	0(0.00)	0(0.00)	0(0.00)	84
Outside Fukushima	0(0.00)	22(100.00)	0(0.00)	0(0.00)	0(0.00)	22
Total	116(1.32)	8,601(97.61)	68(0.77)	5(0.06)	22(0.25)	8,812

Preterm birth rate (the birth of the baby of 22 to 36weeks)

(FY2012) Singleton or twin pregnancy									n(%)		
Area	Week of delivery								Number of preterm births (22-36 weeks)	Proportion (%)	
	12-21 weeks	Preterm birth					37-41 weeks	42 weeks or more			Total
		22-23 weeks	24-27 weeks	28-31 weeks	32-36 weeks						
Kempoku	6(0.34)	0(0.00)	3(0.17)	7(0.40)	72(4.10)	1,662(94.65)	6(0.34)	1,756	82	(4.69)	
Kenchu	6(0.30)	3(0.15)	5(0.25)	10(0.50)	113(5.68)	1,845(92.81)	6(0.30)	1,988	131	(6.61)	
Kennan	4(0.74)	0(0.00)	1(0.18)	2(0.37)	19(3.51)	511(94.45)	4(0.74)	541	22	(4.10)	
Soso	8(1.66)	1(0.21)	3(0.62)	6(1.24)	23(4.77)	439(91.08)	2(0.41)	482	33	(6.96)	
Iwaki	6(0.53)	0(0.00)	3(0.26)	5(0.44)	56(4.91)	1,069(93.77)	1(0.09)	1,140	64	(5.64)	
Aizu	4(0.51)	1(0.13)	2(0.26)	3(0.39)	54(6.95)	713(91.76)	0(0.00)	777	60	(7.76)	
Minami-aizu	0(0.00)	0(0.00)	0(0.00)	0(0.00)	8(10.26)	70(89.74)	0(0.00)	78	8	(10.26)	
Outside Fukushima	0(00.0)	0(0.00)	0(0.00)	0(0.00)	0(0.00)	95(100.00)	0(0.00)	95	0	(0.00)	
Total	34(0.50)	5(0.07)	17(0.25)	33(0.48)	345(5.03)	6,404(93.39)	19(0.28)	6,857	400	(5.86)	

(FY2011) Singleton or twin pregnancy

n(%)

Area	Week of delivery								Number of preterm births (22-36 weeks) Proportion (%)	
	Preterm birth						Total			
	12-21 weeks	22-23 weeks	24-27 weeks	28-31 weeks	32-36 weeks	37-41 weeks	42 weeks or more			
Kempoku	10(0.47)	1(0.05)	3(0.14)	5(0.23)	84(3.92)	2,032(94.91)	6(0.28)	2,141	93	(4.36)
Kenchu	14(0.53)	2(0.08)	2(0.08)	15(0.56)	103(3.87)	2,509(94.32)	15(0.56)	2,660	122	(4.61)
Kennan	2(0.34)	2(0.34)	0(0.00)	4(0.67)	23(3.87)	559(94.11)	4(0.67)	594	29	(4.90)
Soso	2(0.22)	2(0.22)	4(0.45)	4(0.45)	30(3.35)	849(94.86)	4(0.45)	895	40	(4.48)
Iwaki	5(0.36)	2(0.14)	3(0.21)	6(0.43)	64(4.55)	1,317(93.60)	10(0.71)	1,407	75	(5.35)
Aizu	0(0.00)	1(0.11)	0(0.00)	2(0.22)	47(5.24)	845(94.20)	2(0.22)	897	50	(5.57)
Minami-aizu	0(0.00)	0(0.00)	0(0.00)	0(0.00)	3(3.57)	81(96.43)	0(0.00)	84	3	(3.57)
Outside Fukushima	0(0.00)	0(0.00)	0(0.00)	0(0.00)	0(0.00)	22(100.00)	0(0.00)	22	0	(0.00)
Total	33(0.38)	10(0.11)	12(0.14)	36(0.41)	354(4.07)	8,214(94.41)	41(0.47)	8,700	412	(4.75)

Congenital anomaly in singleton pregnancy (delivery after 12 weeks); Yes/No

(FY2012)

n(%)

Area	Yes	No	Invalid response	Total
Kempoku	39 (2.25)	1,663 (96.02)	30 (1.73)	1,732
Kenchu	46 (2.36)	1,867 (95.74)	37 (1.90)	1,950
Kennan	12 (2.27)	501 (94.71)	16 (3.02)	529
Soso	15 (3.18)	434 (91.95)	23 (4.87)	472
Iwaki	24 (2.16)	1,064 (95.68)	24 (2.16)	1,112
Aizu	17 (2.23)	721 (94.74)	23 (3.02)	761
Minami-aizu	1 (1.32)	75 (98.68)	0 (0.00)	76
Outside Fukushima	2 (2.11)	92 (96.84)	1 (1.05)	95
Total	156 (2.32)	6,417 (95.39)	154 (2.29)	6,727

(FY2011)

n(%)

Area	Yes	No	Invalid response	Total
Kempoku	55 (2.60)	1,989 (93.95)	73 (3.45)	2,117
Kenchu	76 (2.92)	2,418 (92.86)	110 (4.22)	2,604
Kennan	22 (3.77)	539 (92.29)	23 (3.94)	584
Soso	19 (2.13)	837 (93.94)	35 (3.93)	891
Iwaki	38 (2.78)	1,271 (92.98)	58 (4.24)	1,367
Aizu	23 (2.63)	825 (94.50)	25 (2.86)	873
Minami-aizu	0 (0.00)	77 (96.25)	3 (3.75)	80
Outside Fukushima	1 (4.55)	20 (90.91)	1 (4.55)	22
Total	234 (2.74)	7,976 (93.42)	328 (3.84)	8,538

Breakdown of congenital anomaly in singleton pregnancy

(FY2012)

n(%)

Area	Cataract	Cardiovascular malformation	Anomalies of kidney and urinary tract	Rachischisis	Microcephaly	Hydrocephalus	Cleft lip and plate	Gastrointestinal atresia	Imperforate anus	Polydactyly and syndactyly	Other	Total
Kempoku	0	8	6	0	0	0	2	2	0	4	19	41
Kenchu	0	20	4	0	1	0	4	2	0	3	20	54
Kennan	1	5	1	0	0	2	0	0	0	1	3	13
Soso	1	6	0	1	0	0	2	1	0	1	5	17
Iwaki	0	9	2	0	0	0	3	1	1	4	6	26
Aizu	0	6	0	0	0	0	1	0	1	2	7	17
Minami-aizu	0	0	0	0	0	0	0	1	0	0	0	1
Outside Fukushima	0	0	0	0	0	0	1	0	0	0	1	2
Total	2(0.03)	54(0.80)	13(0.19)	1(0.01)	1(0.01)	2(0.03)	13 (0.19)	7 (0.10)	2(0.03)	15(0.22)	61(0.91)	171(2.54)

(Multiple answers allowed)

Breakdown of 'Other'

Accessory auricles	8	Microtia	1	Ovarian cystoma	1	Leukopathia	1
Down syndrome	7	Congenital aural fistula	1	Urachal remnant	1	Congenital cytomegalovirus	1
Diaphragmatic hernia	2	Auricular anomalies	1	Adrenal hyperplasia	1	Inguinal hernia	1
Cavernous angoima	2	Atresia of the external auditory canal	1	Chromosomal aberration	1	Congenital dislocation of the knee	1
Arachnoid cyst	2	Lower auricular malformation	1	Trisomy 18	1	Dislocation	1
Hearing impairment	2	Malformation of the auricle	1	Simple hemangioma	1	Displasia in the upper extremity	1
Fetal Hydrops	2	Congenital cystic adenomatoid malformation of lung	1	Hemangioma of the liver	1	Congenital talipes calcaneovalgus	1
Malrotation	2	Congenital pleural effusion	1	Nevus	1	Osteogenesis imperfecta	1
Cephalocele	1	Localized gastrointestinal perforation	1	Congenital melanocytic nevi	1	Clubfoot	1
Craniotabes	1	Hypothyroidism	1	Erythema toxicum neonatorum	1		
Microphthalmos	1	Congenital spherocytosis	1	Hemangioma	1		

(FY2011)

n(%)

Area	Cataract	Cardiovascular malformation	Anomalies of kidney and urinary tract	Rachischisis	Microcephaly	Hydrocephalus	Cleft lip and plate	Gastrointestinal atresia	Imperforate anus	Polydactyly and syndactyly	Other	Total
Kempoku	0	20	6	1	0	0	6	1	2	2	23	61
Kenchu	1	22	9	3	1	1	6	2	1	7	33	86
Kennan	0	5	2	0	0	0	0	1	0	2	12	22
Soso	0	5	0	1	0	0	1	1	0	3	9	20
Iwaki	0	14	5	1	0	0	0	1	1	5	16	43
Aizu	0	7	0	0	0	0	2	0	1	3	10	23
Minami-aizu	0	0	0	0	0	0	0	0	0	0	0	0
Outside Fukushima	0	0	0	0	0	0	0	0	0	0	1	1
Total	1 (0.01)	73 (0.86)	22 (0.26)	6 (0.07)	1 (0.01)	1 (0.01)	15 (0.18)	6 (0.07)	5 (0.06)	22 (0.26)	104(1.22)	256(3.00)

(Multiple answers allowed)

Breakdown of 'Other'

Nevus	9	Congenital dislocated hip	2	Congenital talipes calcaneovalgus	1	Congenital cystic adenomatoid malformation	1
Accessory auricles	8	Holoprosencephaly	2	Ptosis	1	Congenital cutis laxa	1
Down syndrome	6	Cryptorchidism	2	The depressor anguli oris	1	Chromosomal aberration	1
Hemangioma	5	Chylothorax	2	Hypoplasia of triangularis	1	Fetal Hydrops	1
Inguinal hernia	4	Abdominal fissure	2	Laryngomalacia	1	Thanatophoric dysplasia	1
Clubfoot	4	Split hand syndrome	2	Thyroid abnormalities	1	Malrotation	1
Hearing loss	4	Trisomy 13	1	Hypothyroidism	1	Craniotabes	1
Strawberry mark	3	Trisomy 18	1	Lipoma	1	Persistent pupillary membrane	1
Microtia	3	Klinefelter syndrome	1	Auricular anomalies	1	Achondroplasia	1
Dermal sinus	3	Rickets	1	Atresia of the external auditory canal	1		
Cretinism	2	Cytomegalovirus	1	Microphthalmos	1	Periventricular leukomalacia	1
Hydrocele testicle	2	Prader-Willi syndrome	1	Anchylosis of the lip	1	Skin tumor	1
Torticollis	2	Diaphragmatic hernia	1	Vanishing testis	1	Nasolacrimal duct obstruction	1
Incontinentia pigmenti	2	Adrenogenital syndrome	1	Sacral teratoma	1	Adrenal hyperplasia	1
				Congenital Aural Fistula	1	Umbilical hernia	1
						Cervical lymphangioma	1

Congenital anomaly in twin pregnancy (delivery after 12 weeks); Yes/No

(FY2012)				n(%)
Area	Yes	No	Invalid response	Total
Kempoku	1 (4.17)	22 (91.67)	1 (4.17)	24
Kenchu	1 (2.63)	37 (97.37)	0 (0.00)	38
Kennan	0 (0.00)	12 (100.00)	0 (0.00)	12
Soso	0 (0.00)	9 (90.0)	1 (10.00)	10
Iwaki	1 (3.57)	23 (82.14)	4 (14.29)	28
Aizu	1 (6.25)	15 (93.75)	0 (0.00)	16
Minami-aizu	0 (0.00)	2 (100.00)	0 (0.00)	2
Outside Fukushima	0 (0.00)	0 (0.00)	0 (0.00)	0
Total	4 (3.08)	120 (92.31)	6 (4.62)	130

(FY2011)				n(%)
Area	Yes	No	Invalid response	Total
Kempoku	2 (8.33)	19 (79.17)	3 (12.50)	24
Kenchu	3 (5.36)	50 (89.29)	3 (5.36)	56
Kennan	1 (10.00)	9 (90.00)	0 (0.00)	10
Soso	0 (0.00)	4 (100.00)	0 (0.00)	4
Iwaki	0 (0.00)	36 (90.00)	4 (10.00)	40
Aizu	2 (8.33)	20 (83.33)	2 (8.33)	24
Minami-aizu	0 (0.00)	3 (75.00)	1 (25.00)	4
Outside Fukushima	0 (0.00)	0 (0.00)	0 (0.00)	0
Total	8 (4.94)	141 (87.04)	13 (8.02)	162

Breakdown of congenital anomaly in twin pregnancy

(FY2012)												n(%)
Area	Cataract	Cardiovascular malformation	Anomalies of kidney and urinary tract	Rachischisis	Microcephaly	Hydrocephalus	Cleft lip and plate	Gastrointestinal atresia	Imperforate anus	Polydactyly and syndactyly	Other	Total
Kempoku	0	0	0	1	0	0	0	0	0	0	1	2
Kenchu	0	0	0	0	0	0	0	0	0	0	1	1
Kennan	0	0	0	0	0	0	0	0	0	0	0	0
Soso	0	0	0	0	0	0	0	0	0	0	0	0
Iwaki	0	0	0	0	0	0	1	0	0	0	0	1
Aizu	0	0	0	1	0	1	0	0	0	0	0	2
Minami-aizu	0	0	0	0	0	0	0	0	0	0	0	0
Outside Fukushima	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	2	0	1	1	0	0	0	2	6

Breakdown of 'Other'

Hypothyroidism	1
Hernia	1

Breakdown of congenital anomaly in twin pregnancy

(FY2011)

Area												n(%)
	Cataract	Cardiovascular malformation	Anomalies of kidney and urinary tract	Rachischisis	Microcephaly	Hydrocephalus	Cleft lip and plate	Gastrointestinal atresia	Imperforate anus	Polydactyly and syndactyly	Other	Total
Kempono	0	0	0	0	0	0	1	0	0	0	1	2
Kenchu	0	0	0	1	0	0	0	0	0	0	2	3
Kennan	0	1	0	0	0	0	0	0	0	0	0	1
Soso	0	0	0	0	0	0	0	0	0	0	0	0
Iwaki	0	0	0	0	0	0	0	0	0	0	0	0
Aizu	0	2	0	0	0	0	0	0	0	0	0	2
Minami-aizu	0	0	0	0	0	0	0	0	0	0	0	0
Outside Fukushima	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	3	0	1	0	0	1	0	0	0	3	8

Breakdown of 'Other'

Congenital cystic adenomatoid malformation	1
Fetal hydrops	1

2.3 Maternal Mental Health

Have you often felt sad or depressed over the past month?

Have you often felt disinterested in things or not able to enjoy yourself over the past month?

(FY2012)

n(%)

Area	Yes to both questions	Yes to either of the questions	No to both questions	Invalid response	Total
Kempoku	181 (10.2)	284 (16.0)	1,304 (73.6)	2 (0.1)	1,771
Kenchu	218 (10.9)	303 (15.2)	1,468 (73.7)	4 (0.2)	1,993
Kennan	44 (8.1)	84 (15.6)	409 (75.7)	3 (0.6)	540
Soso	69 (14.3)	86 (17.8)	328 (67.9)	0 (0.0)	483
Iwaki	107 (9.4)	152 (13.3)	882 (77.2)	2 (0.2)	1,143
Aizu	90 (11.6)	108 (14.0)	574 (74.2)	2 (0.3)	774
Minami-aizu	6 (7.8)	8 (10.4)	63 (81.8)	0 (0.0)	77
Outside Fukushima	5 (5.3)	17 (17.9)	73 (76.8)	0 (0.0)	95
Total	720 (10.5)	1,042 (15.2)	5,101 (74.2)	13 (0.2)	6,876

25.6% showed sign of depression.

(720 respondents said 'Yes' to both questions and 1,042 said 'Yes' to either of the questions out of 6,876 respondents.)

(FY2011)

n(%)

Area	Yes to both questions	Yes to either of the questions	No to both questions	Invalid response	Total
Kempoku	290(13.4)	350(16.2)	1,482(68.5)	43(2.0)	2,165
Kenchu	344(12.7)	379(14.0)	1,922(71.2)	54(2.0)	2,699
Kennan	77(12.8)	83(13.8)	426(71.0)	14(2.3)	600
Soso	166(18.2)	134(14.7)	584(64.0)	29(3.2)	913
Iwaki	175(12.3)	176(12.4)	1,046(73.6)	25(1.8)	1,422
Aizu	83(9.2)	121(13.3)	686(75.6)	17(1.9)	907
Minami-aizu	1(1.2)	4(4.8)	76(90.5)	3(3.6)	84
Outside Fukushima	5(22.7)	4(18.2)	12(54.5)	1(4.5)	22
Total	1,141(12.9)	1,251(14.2)	6,234(70.7)	186(2.1)	8,812

27.1% showed sign of depression.

(1,141 respondents said 'Yes' to both questions and 1,251 said 'Yes' to either of the questions out of 8,812 respondents)

2.4 Housing environment and child rearing

Describe your housing environment.

(FY2012)						n(%)
Area	Living in a temporary house	Evacuated but not living in a temporary house	Living in their own houses	Not evacuated	Invalid response	Total
Kempoku	3 (0.2)	85 (4.8)	613 (34.6)	1,057 (59.7)	13 (0.7)	1,771
Kenchu	4 (0.2)	81 (4.1)	927 (46.5)	967 (48.5)	14 (0.7)	1,993
Kennan	1 (0.2)	11 (2.0)	103 (19.1)	421 (78.0)	4 (0.7)	540
Soso	47 (9.7)	250 (51.8)	139 (28.8)	40 (8.3)	7 (1.4)	483
Iwaki	5 (0.4)	39 (3.4)	828 (72.4)	262 (22.9)	9 (0.8)	1,143
Aizu	0 (0.0)	13 (1.7)	39 (5.0)	720 (93.0)	2 (0.3)	774
Minami-aizu	0 (0.0)	1 (1.3)	3 (3.9)	72 (93.5)	1 (1.3)	77
Outside Fukushima	0 (0.0)	6 (6.3)	9 (9.5)	79 (83.2)	1 (1.1)	95
Total	60 (0.9)	486 (7.1)	2,661 (38.7)	3,618 (52.6)	51 (0.7)	6,876

How have you fed your baby before starting solids?

(FY2012)					n(%)
Area	Breast milk only	Mixture of breast milk and infant formula	Infant formula only	Invalid response	Total
Kempoku	644 (37.1)	950 (54.7)	133 (7.7)	10 (0.6)	1,737
Kenchu	655 (33.3)	1,095 (55.7)	205 (10.4)	11 (0.6)	1,966
Kennan	153 (28.8)	311 (58.5)	67 (12.6)	1 (0.2)	532
Soso	146 (31.3)	254 (54.4)	63 (13.5)	4 (0.9)	467
Iwaki	443 (39.5)	574 (51.2)	97 (8.6)	8 (0.7)	1,122
Aizu	261 (34.3)	406 (53.3)	92 (12.1)	3 (0.4)	762
Minami-aizu	32 (41.6)	34 (44.2)	11 (14.3)	0 (0.0)	77
Outside Fukushima	53 (55.8)	40 (42.1)	1 (1.1)	1 (1.1)	95
Total	2,387 (35.3)	3,664 (54.2)	669 (9.9)	38 (0.6)	6,758

(FY2011)					n(%)
Area	Breast milk only	Mixture of breast milk and infant formula	Infant formula only	Invalid response	Total
Kempoku	689(32.4)	1,318(62.1)	112(5.3)	5(0.2)	2,124
Kenchu	759(29.0)	1,655(63.3)	193 (7.4)	9(0.3)	2,616
Kennan	168(28.6)	360(61.2)	59(10.0)	1(0.2)	588
Soso	241(26.9)	549(61.2)	100(11.1)	7(0.8)	897
Iwaki	484(35.0)	822(59.4)	74(5.3)	4(0.3)	1,384
Aizu	238(26.8)	594(66.9)	55(6.2)	1(0.1)	888
Minami-aizu	33(40.2)	45(54.9)	4(4.9)	0(0.0)	82
Outside Fukushima	5(22.7)	14(63.6)	2(9.1)	1(4.5)	22
Total	2,617(30.4)	5,357(62.3)	599 (7.0)	28(0.3)	8,601

For those who used infant formula, please state the reason why you chose it.

(FY2012) n(%)

Area	Insufficient breast milk	Fear of radioactive contamination of breast milk	Other	Total number of valid responses
Kempoku	847 (78.8)	40 (3.7)	228 (21.2)	1,075
Kenchu	989 (76.6)	109 (8.4)	277 (21.5)	1,291
Kennan	311 (82.9)	26 (6.9)	60 (16.0)	375
Soso	244 (77.7)	26 (8.3)	62 (19.7)	314
Iwaki	487 (73.5)	51 (7.7)	157 (23.7)	663
Aizu	385 (78.4)	12 (2.4)	120 (24.4)	491
Minami-aizu	36 (81.8)	2 (4.5)	7 (15.9)	44
Outside Fukushima	31 (75.6)	1 (2.4)	9 (22.0)	41
Total	3,330 (77.6)	267 (6.2)	920 (21.4)	4,294

Multiple answers are allowed and the percentages do not total to 100%.

(FY2011) n(%)

Area	Insufficient breast milk	Fear of radioactive contamination of breast milk	Other	Total number of valid responses
Kempoku	1,037(73.1)	248(17.5)	295(20.8)	1,418
Kenchu	1,305(71.6)	410(22.5)	318(17.4)	1,823
Kennan	277(66.6)	113(27.2)	85(20.4)	416
Soso	460(71.5)	150(23.3)	98(15.2)	643
Iwaki	619(70.0)	180(20.4)	188(21.3)	884
Aizu	512(80.1)	59(9.2)	112(17.5)	639
Minami-aizu	39(79.6)	6(12.2)	7(14.3)	49
Outside Fukushima	12(75.0)	1(6.3)	4(25.0)	16
Total	4,261(72.4)	1,167(19.8)	1,107(18.8)	5,888

Multiple answers are allowed and the percentages do not total to 100%.

Do you sometimes doubt your confidence in your ability of parenting?

(FY2012) n(%)

Area	Yes	No	Not sure	Invalid response	Total
Kempoku	294 (16.9)	773 (44.5)	646 (37.2)	24 (1.4)	1,737
Kenchu	316 (16.1)	873 (44.4)	757 (38.5)	20 (1.0)	1,966
Kennan	78 (14.7)	253 (47.6)	196 (36.8)	5 (0.9)	532
Soso	74 (15.8)	205 (43.9)	176 (37.7)	12 (2.6)	467
Iwaki	134 (11.9)	582 (51.9)	393 (35.0)	13 (1.2)	1,122
Aizu	129 (16.9)	357 (46.9)	270 (35.4)	6 (0.8)	762
Minami-aizu	8 (10.4)	37 (48.1)	32 (41.6)	0 (0.0)	77
Outside Fukushima	19 (20.0)	31 (32.6)	44 (46.3)	1 (1.1)	95
Total	1,052 (15.6)	3,111 (46.0)	2,514 (37.2)	81 (1.2)	6,758

2.5 The Quality of Medical Care

Do you think you received adequate care related to the pregnancy or delivery?

(FY2012)							n(%)
Area	Yes-very much so	Yes	Not sure	No	Not at all	Invalid response	Total
Kempoku	430 (24.3)	1,044 (58.9)	232 (13.1)	48 (2.7)	15 (0.8)	2 (0.1)	1,771
Kenchu	418 (21.0)	1,159 (58.2)	330 (16.6)	58 (2.9)	22 (1.1)	6 (0.3)	1,993
Kennan	91 (16.9)	329 (60.9)	100 (18.5)	14 (2.6)	2 (0.4)	4 (0.7)	540
Soso	89 (18.4)	276 (57.1)	93 (19.3)	18 (3.7)	5 (1.0)	2 (0.4)	483
Iwaki	294 (25.7)	664 (58.1)	145 (12.7)	30 (2.6)	7 (0.6)	3 (0.3)	1,143
Aizu	159 (20.5)	482 (62.3)	108 (14.0)	19 (2.5)	3 (0.4)	3 (0.4)	774
Minami-aizu	20 (26.0)	51 (66.2)	4 (5.2)	2 (2.6)	0 (0.0)	0 (0.0)	77
Outside Fukushima	43 (45.3)	44 (46.3)	6 (6.3)	2 (2.1)	0 (0.0)	0 (0.0)	95
Total	1,544 (22.5)	4,049 (58.9)	1,018 (14.8)	191 (2.8)	54 (0.8)	20 (0.3)	6,876

Did you continue attending the same facility that you originally intended to visit for obstetric exams/delivery?

(FY2012)				n(%)
Area	Yes	No	Invalid response	Total
Kempoku	1,523 (86.0)	237 (13.4)	11 (0.6)	1,771
Kenchu	1,686 (84.6)	296 (14.9)	11 (0.6)	1,993
Kennan	473 (87.6)	65 (12.0)	2 (0.4)	540
Soso	390 (80.7)	90 (18.6)	3 (0.6)	483
Iwaki	990 (86.6)	145 (12.7)	8 (0.7)	1,143
Aizu	666 (86.0)	106 (13.7)	2 (0.3)	774
Minami-aizu	70 (90.9)	7 (9.1)	0 (0.0)	77
Outside Fukushima	67 (70.5)	27 (28.4)	1 (1.1)	95
Total	5,865 (85.3)	973 (14.2)	38 (0.6)	6,876

Breakdown of 'No' (FY2012)

(FY2012)						n(%)
Area	A	B	C	D	Invalid response	Total
Kempoku	68 (28.7)	58 (24.5)	104 (43.9)	2 (0.8)	5 (2.1)	237
Kenchu	70 (23.6)	70 (23.6)	147 (49.7)	3 (1.0)	6 (2.0)	296
Kennan	24 (36.9)	21 (32.3)	20 (30.8)	0 (0.0)	0 (0.0)	65
Soso	35 (38.9)	24 (26.7)	23 (25.6)	7 (7.8)	1 (1.1)	90
Iwaki	34 (23.4)	31 (21.4)	79 (54.5)	0 (0.0)	1 (0.7)	145
Aizu	34 (32.1)	17 (16.0)	53 (50.0)	1 (0.9)	1 (0.9)	106
Minami-aizu	2 (28.6)	1 (14.3)	4 (57.1)	0 (0.0)	0 (0.0)	7
Outside Fukushima	4 (14.8)	22 (81.5)	1 (3.7)	0 (0.0)	0 (0.0)	27
Total	271 (27.9)	244 (25.1)	431 (44.3)	13 (1.3)	14 (1.4)	973

A: I changed to a different facility within Fukushima on my own accord.

B: I changed to a different facility outside Fukushima on my own accord.

C: I was instructed to transfer (or was transferred) to a different facility in Fukushima for medical reasons.

D: I was instructed to transfer (or was transferred) to a different facility outside Fukushima for medical reasons.

(FY2011)				n(%)
Area	Yes	No	Invalid response	Total
Kempoku	1,860(85.9)	288(13.3)	17(0.8)	2,165
Kenchu	2,050(76.0)	626(23.2)	23(0.9)	2,699
Kennan	497(82.8)	94(15.7)	9(1.5)	600
Soso	236(25.8)	665(72.8)	12(1.3)	913
Iwaki	1,036(72.9)	369(25.9)	17(1.2)	1,422
Aizu	798(88.0)	99(10.9)	10(1.1)	907
Minami-aizu	78(92.9)	6(7.1)	0(0.0)	84
Outside Fukushima	5(22.7)	17(77.3)	0(0.0)	22
Total	6,560(74.4)	2,164(24.6)	88(1.0)	8,812

Breakdown of 'No' (FY2011)							n(%)
Area	A	B	C	D	E	F	Total number of valid responses
Kempoku	54(19.4)	163(58.4)	5(1.8)	9(3.2)	51(18.3)	2(0.7)	279
Kenchu	153(26.0)	292(49.7)	7(1.2)	15(2.6)	124(21.1)	7(1.2)	588
Kennan	24(27.6)	42(48.3)	3(3.4)	1(1.1)	17(19.5)	1(1.1)	87
Soso	283(43.4)	357(54.8)	4(0.6)	10(1.5)	29(4.4)	8(1.2)	652
Iwaki	67(18.8)	242(67.8)	4(1.1)	9(2.5)	34(9.5)	12(3.4)	357
Aizu	31(32.6)	24(25.3)	4(4.2)	1(1.1)	36(37.9)	2(2.1)	95
Minami-aizu	2(33.3)	1(16.7)	1(16.7)	0(0.0)	1(16.7)	1(16.7)	6
Outside Fukushima	0(0.0)	17(100.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	17
Total	614(29.5)	1,138(54.7)	28(1.3)	45(2.2)	292(14.0)	33(1.6)	2,081

Multiple answers are allowed and the percentages do not total to 100%.

A: I changed to a different facility within Fukushima on my own accord.

B: I changed to a different facility outside Fukushima on my own accord.

C: I attended a different facility in Fukushima from before the disaster after returning to my parents/in-laws home to give birth.

D: I attended a different facility outside Fukushima from before the disaster after returning to my parents/in-laws home to give birth.

E: I was instructed to transfer (or was transferred) to a different facility in Fukushima for medical reasons.

F: I was instructed to transfer (or was transferred) to a different facility outside Fukushima for medical reasons.

Were you able to undergo obstetric exams as scheduled?

(FY2012) n(%)

Area	Yes	No	Invalid response	Total
Kempoku	1,715 (96.8)	46 (2.6)	10 (0.6)	1,771
Kenchu	1,933 (97.0)	48 (2.4)	12 (0.6)	1,993
Kennan	529 (98.0)	8 (1.5)	3 (0.6)	540
Soso	469 (97.1)	12 (2.5)	2 (0.4)	483
Iwaki	1,115 (97.6)	21 (1.8)	7 (0.6)	1,143
Aizu	754 (97.4)	18 (2.3)	2 (0.3)	774
Minami-aizu	77 (100.0)	0 (0.0)	0 (0.0)	77
Outside Fukushima	92 (96.8)	2 (2.1)	1 (1.1)	95
Total	6,684 (97.2)	155 (2.3)	37 (0.5)	6,876

Breakdown of 'No' (FY2012) n(%)

Area	Caused problems during pregnancy	Caused no problems during pregnancy	No response	Total
Kempoku	9 (19.6)	36 (78.3)	1 (2.2)	46
Kenchu	13 (27.1)	34 (70.8)	1 (2.1)	48
Kennan	3 (37.5)	5 (62.5)	0 (0.0)	8
Soso	5 (41.7)	5 (41.7)	2 (16.7)	12
Iwaki	7 (33.3)	14 (66.7)	0 (0.0)	21
Aizu	4 (22.2)	14 (77.8)	0 (0.0)	18
Minami-aizu	0 (0.0)	0 (0.0)	0 (0.0)	0
Outside Fukushima	0 (0.0)	2 (100.0)	0 (0.0)	2
Total	41 (26.5)	110 (71.0)	4 (2.6)	155

(FY2011) n(%)

Area	Yes	No	Invalid response	Total
Kempoku	1,849(85.4)	307(14.2)	9(0.4)	2,165
Kenchu	2,221(82.3)	453(16.8)	25(0.9)	2,699
Kennan	504(84.0)	88(14.7)	8(1.3)	600
Soso	596(65.3)	306(33.5)	11(1.2)	913
Iwaki	965(67.9)	437(30.7)	20(1.4)	1,422
Aizu	843(92.9)	53(5.8)	11(1.2)	907
Minami-aizu	79(94.0)	5(6.0)	0(0.0)	84
Outside Fukushima	15(68.2)	7(31.8)	0(0.0)	22
Total	7,072(80.3)	1,656(18.8)	84(1.0)	8,812

Breakdown of 'No' (FY2011) n(%)

Area	Had to be hospitalized as a result	Caused no problems during pregnancy	Invalid response	Total
Kempoku	32(10.4)	269(87.6)	6(2.0)	307
Kenchu	46(10.2)	395(87.2)	12(2.6)	453
Kennan	7(8.0)	77(87.5)	4(4.5)	88
Soso	30(9.8)	270(88.2)	6(2.0)	306
Iwaki	37(8.5)	395(90.4)	5(1.1)	437
Aizu	19(35.8)	34 (64.2)	0(0.0)	53
Minami-aizu	0(0.0)	5(100.0)	0(0.0)	5
Outside Fukushima	0 (0.0)	7(100.0)	0(0.0)	7
Total	171(10.3)	1,452(87.7)	33(2.0)	1,656

2.6 Are you planning to have another baby in the future?

(FY2012) n(%)

Area	Yes	No	No response	Total
Kempoku	944 (53.3)	795 (44.9)	32 (1.8)	1,771
Kenchu	1,058 (53.1)	902 (45.3)	33 (1.7)	1,993
Kennan	273 (50.6)	260 (48.1)	7 (1.3)	540
Soso	243 (50.3)	230 (47.6)	10 (2.1)	483
Iwaki	587 (51.4)	532 (46.5)	24 (2.1)	1,143
Aizu	420 (54.3)	341 (44.1)	13 (1.7)	774
Minami-aizu	40 (51.9)	36 (46.8)	1 (1.3)	77
Outside Fukushima	61 (64.2)	33 (34.7)	1 (1.1)	95
Total	3,626 (52.7)	3,129 (45.5)	121 (1.8)	6,876

Services requested by those who wish to have a baby in the future

n(%)

Area	Maternity leave or parental leave	Adequate childcare	Information and services regarding child care and pediatric healthcare	Information on radiation	Other	Total number of valid responses
Kempoku	475 (51.7)	607 (66.1)	625 (68.0)	552 (60.1)	85 (9.2)	919
Kenchu	529 (50.7)	707 (67.7)	746 (71.5)	674 (64.6)	122 (11.7)	1,044
Kennan	139 (52.9)	170 (64.6)	179 (68.1)	161 (61.2)	30 (11.4)	263
Soso	98 (41.4)	131 (55.3)	183 (77.2)	146 (61.6)	20 (8.4)	237
Iwaki	291 (50.4)	368 (63.8)	428 (74.2)	375 (65.0)	59 (10.2)	577
Aizu	227 (56.0)	289 (71.4)	260 (64.2)	195 (48.1)	35 (8.6)	405
Minami-aizu	18 (46.2)	18 (46.2)	31 (79.5)	12 (30.8)	8 (20.5)	39
Outside	32 (54.2)	39 (66.1)	39 (66.1)	26 (44.1)	4 (6.8)	59
Total	1,809 (51.1)	2,329 (65.7)	2,491 (70.3)	2,141 (60.4)	363 (10.2)	3,543

Multiple answers are allowed and the percentages do not total to 100%.

Reasons for not planning to have another baby

n(%)

Area	Do not want one	Financial reasons	Do not have parenting help	Cannot find a day care	Busy raising the children	Life as evacuee
Kempoku	349 (44.0)	170 (21.4)	68 (8.6)	40 (5.0)	266 (33.5)	6 (0.8)
Kenchu	425 (47.5)	234 (26.2)	97 (10.9)	80 (8.9)	335 (37.5)	9 (1.0)
Kennan	139 (53.5)	54 (20.8)	21 (8.1)	14 (5.4)	72 (27.7)	1 (0.4)
Soso	102 (44.7)	57 (25.0)	24 (10.5)	14 (6.1)	98 (43.0)	56 (24.6)
Iwaki	241 (45.7)	135 (25.6)	40 (7.6)	35 (6.6)	180 (34.2)	3 (0.6)
Aizu	155 (46.0)	82 (24.3)	35 (10.4)	27 (8.0)	129 (38.3)	2 (0.6)
Minami-aizu	17 (47.2)	8 (22.2)	2 (5.6)	1 (2.8)	15 (41.7)	0 (0.0)
Outside Fukushima	18 (54.5)	6 (18.2)	3 (9.1)	5 (15.2)	11 (33.3)	1 (3.0)
Total	1,446 (46.5)	746 (24.0)	290 (9.3)	216 (6.9)	1,106 (35.6)	78 (2.5)

Area	Family living apart	Age or health	Anxiety about radiation	Other	Total number of valid responses
Kempoku	14 (1.8)	270 (34.0)	101 (12.7)	129 (16.2)	794
Kenchu	18 (2.0)	261 (29.2)	191 (21.4)	128 (14.3)	894
Kennan	3 (1.2)	81 (31.2)	34 (13.1)	38 (14.6)	260
Soso	21 (9.2)	58 (25.4)	37 (16.2)	20 (8.8)	228
Iwaki	8 (1.5)	165 (31.3)	75 (14.2)	70 (13.3)	527
Aizu	7 (2.1)	78 (23.1)	22 (6.5)	62 (18.4)	337
Minami-aizu	0 (0.0)	9 (25.0)	2 (5.6)	10 (27.8)	36
Outside Fukushima	2 (6.1)	3 (9.1)	1 (3.0)	6 (18.2)	33
Total	73 (2.3)	925 (29.8)	463 (14.9)	463 (14.9)	3,109

Multiple answers are allowed and the percentages do not total to 100%.

2.7 Telephone Counseling Conversations

(FY2012) n(%)

Area	Sign of depression	Identified as in need of support based on the free-answer question	Total
Kempoku	183 (68.3)	85 (31.7)	268
Kenchu	219 (67.4)	106 (32.6)	325
Kennan	44 (63.8)	25 (36.2)	69
Soso	70 (75.3)	23 (24.7)	93
Iwaki	108 (66.3)	55 (33.7)	163
Aizu	91 (73.4)	33 (26.6)	124
Minami-aizu	6 (66.7)	3 (33.3)	9
Outside Fukushima	5 (62.5)	3 (37.5)	8
Total	726 (68.6)	333 (31.4)	1,059

(FY2011) n(%)

Area	Sign of depression	Identified as in need of support based on the free-answer question	Total
Kempoku	314 (90.0)	35 (10.0)	349
Kenchu	361 (87.8)	50 (12.2)	411
Kennan	81 (82.7)	17 (17.3)	98
Soso	175 (84.5)	32 (15.5)	207
Iwaki	192 (87.7)	27 (12.3)	219
Aizu	95 (87.2)	14 (12.8)	109
Minami-aizu	1 (50.0)	1 (50.0)	2
Outside Fukushima	5 (83.3)	1 (16.7)	6
Total	1,224 (87.4)	177 (12.6)	1,401

Breakdown of problems mentioned

(FY2012) n(%)

Area	Anxiety about radiation	Mental and physical health issues of mothers	Child rearing	Mental and physical health issues of children	Life as an evacuee	Household problems	Other	Total
Kempoku	66 (24.6)	89 (33.2)	89 (33.2)	29 (10.8)	5 (1.9)	26 (9.7)	76 (28.4)	268
Kenchu	78 (24.0)	102 (31.4)	74 (22.8)	43 (13.2)	8 (2.5)	42 (12.9)	101 (31.1)	325
Kennan	19 (27.5)	25 (36.2)	20 (29.0)	10 (14.5)	1 (1.4)	10 (14.5)	21 (30.4)	69
Soso	15 (16.1)	27 (29.0)	21 (22.6)	13 (14.0)	6 (6.5)	6 (6.5)	34 (36.6)	93
Iwaki	45 (27.6)	60 (36.8)	46 (28.2)	28 (17.2)	0 (0.0)	14 (8.6)	50 (30.7)	163
Aizu	21 (16.9)	43 (34.7)	27 (21.8)	15 (12.1)	0 (0.0)	9 (7.3)	48 (38.7)	124
Minami-aizu	1 (11.1)	4 (44.4)	4 (44.4)	2 (22.2)	0 (0.0)	4 (44.4)	2 (22.2)	9
Outside Fukushima	3 (37.5)	1 (12.5)	2 (25.0)	0 (0.0)	0 (0.0)	1 (12.5)	4 (50.0)	8
Total	248 (23.4)	351 (33.1)	283 (26.7)	140 (13.2)	20 (1.9)	112 (10.6)	336 (31.7)	1,059

Multiple answers are allowed and the percentages do not total to 100%.

(FY2011)

n(%)

Area	Anxiety about radiation	Mental and physical health issues of mothers	Child rearing	Mental and physical health issues of children	Life as an evacuee	Household problems	Other	Total
Kempoku	113 (32.4)	70 (20.1)	67 (19.2)	30 (8.6)	32 (9.2)	15 (4.3)	120 (34.4)	349
Kenchu	129 (31.4)	79 (19.2)	49 (11.9)	41 (10.0)	39 (9.5)	20 (4.9)	144 (35.0)	411
Kennan	31 (31.6)	12 (12.2)	12 (12.2)	12 (12.2)	2 (2.0)	4 (4.1)	41 (41.8)	98
Soso	45 (21.7)	45 (21.7)	26 (12.6)	24 (11.6)	45 (21.7)	14 (6.8)	73 (35.3)	207
Iwaki	62 (28.3)	49 (22.4)	33 (15.1)	27 (12.3)	11 (5.0)	10 (4.6)	83 (37.9)	219
Aizu	28 (25.7)	25 (22.9)	9 (8.3)	12 (11.0)	1 (0.9)	6 (5.5)	45 (41.3)	109
Minami-aizu	0 (0.0)	1 (50.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (50.0)	2
Outside Fukushima	1 (16.7)	2 (33.3)	0 (0.0)	1 (16.7)	0 (0.0)	0 (0.0)	2 (33.3)	6
Total	409 (29.2)	283 (20.2)	196 (14.0)	147 (10.5)	130 (9.3)	69 (4.9)	509 (36.3)	1,401

Multiple answers are allowed and the percentages do not total to 100%.

2.8 Free-answer question

(FY2012)

Of 6,913 respondents, 1,430 (20.7%) responded to the question.

Answers were classified into categories shown below.

	n(%)
Effects of radiation on fetus and child	373 (26.1)
Requests for information on radiation and research results	183 (12.8)
Complaints about Fukushima Health Management Survey	147 (10.3)
Effects of radiation on food/ baby food	137 (9.6)
Anxiety about radiation exposure of children when outside	111 (7.8)
Effects of radiation on water	110 (7.7)
Physical problem	78 (5.5)
Anxiety and dissatisfaction about evacuation and fragmented family	63 (4.4)
Anxiety and dissatisfaction about reliability or lack of information	58 (4.1)
Request for medical check-up and examination	56 (3.9)
Request for Fukushima Health Management Survey	54 (3.8)

(FY2013)

Of 9,316 respondents, 3,722 (40.0%) responded to the question.

Answers were classified into categories shown below.

	n(%)
Effects of radiation on fetus and child	1,102 (29.6)
Requests for information on radiation and research results	725 (19.5)
Effects of radiation on food/ baby food	668 (17.9)
Anxiety and dissatisfaction about reliability or lack of information	542 (14.6)
Anxiety and dissatisfaction about evacuation and family living apart	506 (13.6)
Effects of radiation on food/ baby food	476 (12.8)
Effects of radiation on water	441 (11.8)
Request for radiation testing of breast milk	425 (11.4)
Regarding medical check-up and examination	416 (11.2)
Anxiety about radiation exposure of children when outside	382 (10.3)
Request for financial support	363 (9.8)

Effects of radiation on breast milk/ infant formula	52 (3.6)	Complaints about Fukushima Health Management Survey	359 (9.6)
Regarding medical check-up and examination	52 (3.6)	Anxiety and dissatisfaction about inadequate medical services	348 (9.3)
Parenting	51 (3.6)	Request to measure internal radiation exposure (by whole body counter, etc.)	305 (8.2)
Request for decontamination and provision of safe playgrounds	47 (3.3)	Request for support for supplies and gas	275 (7.4)
Request for thyroid examination	45 (3.1)	Anxiety and dissatisfaction about shortage of supplies	244 (6.6)
Request to measure internal radiation exposure (by whole body counter, etc.)	43 (3.0)	Request for decontamination and provision of safe playgrounds	238 (6.4)
Request for adequate child support services	42 (2.9)	Regarding financial anxiety and burden	237 (6.4)
Anxiety and dissatisfaction about inadequate medical services	42 (2.9)	Request for medical check-up and examination	227 (6.1)
Regarding adequate medical service and physical care	36 (2.5)	Request for Fukushima Health Management Survey	215 (5.8)
Anxiety about effects of radiation on outcome of current pregnancy	36 (2.5)	Complaints of mental issues	211 (5.7)
Positive comments about this survey	30 (2.1)	Other	201 (5.4)
Complaints of mental issues	27 (1.9)	Request for adequate medical service and physical care	173 (4.6)
Request for financial support	23 (1.6)	Anxiety about effects of radiation on outcome of current pregnancy	159 (4.3)
Anxiety about effects of radiation on the next pregnancy	23 (1.6)	Regarding external radiation exposure (provision of glass badges and dosimeter)	125 (3.4)
Regarding financial anxiety and burden	23 (1.6)	Anxiety about effects of radiation on the next pregnancy	112 (3.0)
Request for radiation testing of breast milk	18 (1.3)	Request for thyroid examination	109 (2.9)
Request for an adequate mental health care services	16 (1.1)	Request for an adequate mental health care services	78 (2.1)
Regarding external radiation exposure (provision of glass badges and dosimeter)	7 (0.5)	Positive comments about this survey	78 (2.1)
Request for evacuation support	4 (0.3)	Request for evacuation support	74 (2.0)
Request for support for supplies and gas	3 (0.2)	Request for adequate child support services	39 (1.0)
Request for urine test	3 (0.2)	Request for urine test	16 (0.4)
Anxiety and dissatisfaction about shortage of supplies	0 (0.0)		
Other	213 (14.9)		

FY2011 is from 1 April 2011 through 31 March 2012.

FY2013 is from 1 April 2013 through 31 March 2014.