

Response rates to the Basic Survey by district

Initial and full-scale surveys

As of 31 December 2016

Area	District	Survey population	Responses	Response rate	Completed dose estimates	Proportion	Returned results	Proportion
		a	b	c=b/a	d	e=d/b	f	g=f/b
Kempoku	Fukushima	295,643	93,852	31.7%	92,335	98.4%	92,121	98.2%
	Nihonmatsu	60,857	16,912	27.8%	16,546	97.8%	16,536	97.8%
	Date	67,577	18,283	27.1%	17,816	97.4%	17,761	97.1%
	Motomiya	31,761	9,104	28.7%	8,935	98.1%	8,927	98.1%
	Kori	13,207	3,883	29.4%	3,774	97.2%	3,770	97.1%
	Kunimi	10,316	3,028	29.4%	2,940	97.1%	2,935	96.9%
	Kawamata	15,885	5,175	32.6%	5,009	96.8%	4,983	96.3%
	Otama	8,792	1,922	21.9%	1,878	97.7%	1,871	97.3%
	Subtotal	504,038	152,159	30.2%	149,233	98.1%	148,904	97.9%
Kenchu	Koriyama	339,705	86,782	25.5%	85,018	98.0%	84,998	97.9%
	Sukagawa	80,157	17,151	21.4%	16,714	97.5%	16,711	97.4%
	Tamura	41,723	10,547	25.3%	10,191	96.6%	10,156	96.3%
	Kagamiishi	13,109	2,887	22.0%	2,824	97.8%	2,824	97.8%
	Tenei	6,470	1,229	19.0%	1,198	97.5%	1,198	97.5%
	Ishikawa	17,488	4,202	24.0%	4,100	97.6%	4,100	97.6%
	Tamakawa	7,337	1,500	20.4%	1,452	96.8%	1,452	96.8%
	Hirata	7,053	1,655	23.5%	1,599	96.6%	1,599	96.6%
	Asakawa	7,163	1,508	21.1%	1,473	97.7%	1,472	97.6%
	Furudono	6,319	1,309	20.7%	1,274	97.3%	1,274	97.3%
	Miharu	18,993	4,860	25.6%	4,763	98.0%	4,763	98.0%
	Ono	11,701	2,605	22.3%	2,541	97.5%	2,540	97.5%
	Subtotal	557,218	136,235	24.4%	133,147	97.7%	133,087	97.7%
Kennan	Shirakawa	65,428	16,058	24.5%	15,644	97.4%	15,639	97.4%
	Nishigo	20,089	4,977	24.8%	4,858	97.6%	4,857	97.6%
	Izumizaki	6,931	1,381	19.9%	1,341	97.1%	1,340	97.0%
	Nakajima	5,306	1,001	18.9%	976	97.5%	976	97.5%
	Yabuki	18,341	4,092	22.3%	3,982	97.3%	3,982	97.3%
	Tanagura	15,384	3,026	19.7%	2,961	97.9%	2,961	97.9%
	Yamatsuri	6,491	1,464	22.6%	1,415	96.7%	1,415	96.7%
	Hanawa	10,062	2,313	23.0%	2,262	97.8%	2,261	97.8%
	Samegawa	4,196	819	19.5%	791	96.6%	791	96.6%
	Subtotal	152,228	35,131	23.1%	34,230	97.4%	34,222	97.4%
Aizu	Aizuwakamatsu	127,817	29,596	23.2%	28,624	96.7%	28,621	96.7%
	Kitakata	53,199	11,055	20.8%	10,628	96.1%	10,623	96.1%
	Kitashiobara	3,276	607	18.5%	584	96.2%	584	96.2%
	Nishiaizu	7,725	1,453	18.8%	1,351	93.0%	1,351	93.0%
	Bandai	3,888	793	20.4%	775	97.7%	774	97.6%
	Inawashiro	16,271	3,647	22.4%	3,515	96.4%	3,514	96.4%
	Aizubange	17,881	3,261	18.2%	3,117	95.6%	3,114	95.5%
	Yugawa	3,513	713	20.3%	680	95.4%	680	95.4%
	Yanaizu	4,077	719	17.6%	687	95.5%	687	95.5%
	Mishima	2,031	373	18.4%	339	90.9%	339	90.9%
	Kaneyama	2,544	629	24.7%	573	91.1%	573	91.1%
	Showa	1,569	354	22.6%	327	92.4%	327	92.4%
	Aizumisato	23,411	4,590	19.6%	4,390	95.6%	4,390	95.6%
	Subtotal	267,202	57,790	21.6%	55,590	96.2%	55,577	96.2%
Minami-aizu	Shimogo	6,650	1,251	18.8%	1,191	95.2%	1,191	95.2%
	Hinoemata	614	142	23.1%	133	93.7%	133	93.7%
	Tadami	5,030	1,143	22.7%	1,081	94.6%	1,081	94.6%
	Minami-aizu	18,495	3,851	20.8%	3,673	95.4%	3,672	95.4%
		Subtotal	30,789	6,387	20.7%	6,078	95.2%	6,077
Soso	Soma	37,363	13,294	35.6%	12,775	96.1%	12,768	96.0%
	Minami-soma	70,011	30,232	43.2%	29,472	97.5%	29,443	97.4%
	Hirono	5,164	2,219	43.0%	2,140	96.4%	2,138	96.3%
	Naraha	7,963	4,184	52.5%	4,022	96.1%	4,020	96.1%
	Tomioka	15,750	8,619	54.7%	8,411	97.6%	8,405	97.5%
	Kawauchi	2,996	1,539	51.4%	1,487	96.6%	1,487	96.6%
	Okuma	11,473	6,080	53.0%	5,860	96.4%	5,860	96.4%
	Futaba	7,051	3,949	56.0%	3,845	97.4%	3,843	97.3%
	Namie	21,335	12,968	60.8%	12,670	97.7%	12,660	97.6%
	Katsurao	1,541	824	53.5%	768	93.2%	768	93.2%
	Shinchi	8,356	2,706	32.4%	2,606	96.3%	2,604	96.2%
	litate	6,588	3,444	52.3%	3,333	96.8%	3,326	96.6%
	Subtotal	195,591	90,058	46.0%	87,389	97.0%	87,322	97.0%
Iwaki	Iwaki	348,239	88,283	25.4%	86,207	97.6%	86,198	97.6%
	Total	2,055,305	566,043	27.5%	551,874	97.5%	551,387	97.4%

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

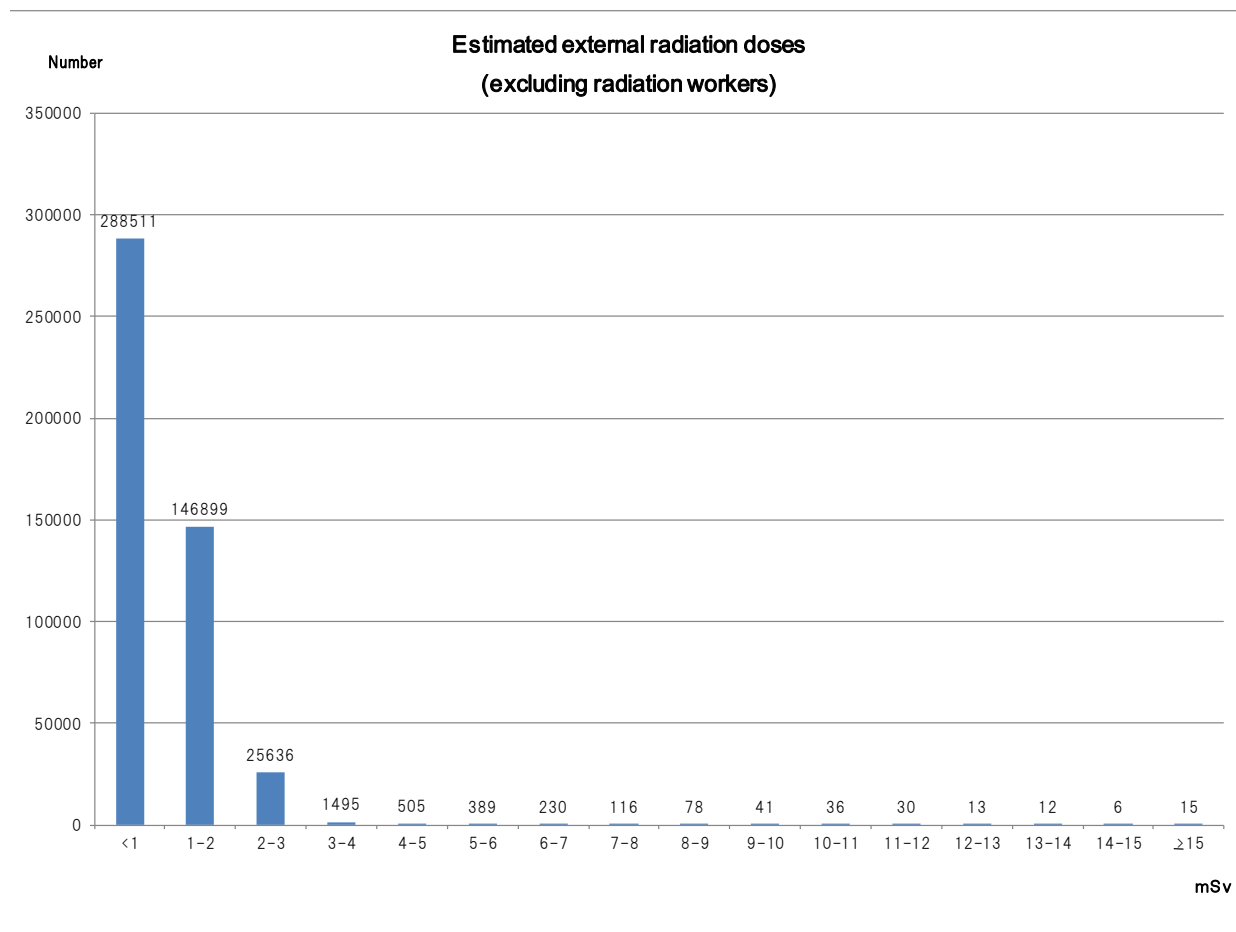
Initial and full-scale surveys

As of 31 December 2016

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	294,229	288,511	24,931	58,139	25,954	45,699	4,947	55,783	73,058	62.2	93.8	99.8
1-2	149,242	146,899	83,750	46,064	3,421	308	36	12,688	632	31.7		
2-3	26,009	25,636	15,694	8,182	17	25	0	1,688	30	5.5	5.8	
3-4	1,575	1,495	472	423	0	1	0	595	4	0.3		
4-5	551	505	40	5	0	0	0	459	1	0.1	0.2	
5-6	441	389	19	3	0	0	0	366	1	0.1		
6-7	268	230	10	1	0	1	0	218	0	0.0	0.1	
7-8	155	116	1	0	0	0	0	115	0	0.0		
8-9	118	78	1	0	0	0	0	77	0	0.0	0.0	
9-10	72	41	0	0	0	0	0	41	0	0.0		
10-11	69	36	0	0	0	0	0	36	0	0.0	0.0	
11-12	52	30	1	0	0	0	0	29	0	0.0		
12-13	37	13	0	0	0	0	0	13	0	0.0	0.0	
13-14	36	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	315	15	0	0	0	0	0	15	0	0.0		
Total	473,196	464,012	124,919	112,817	29,392	46,034	4,983	72,141	73,726	100.0	100.0	100.0
Max	66	25	11	6.3	2.6	6.0	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			
Median	0.6	0.6	1.4	0.9	0.5	0.2	0.1	0.5	0.3			

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



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

Effective Dose (mSv)	Age at the time of the disaster (years)									Total
	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70 - 79	80 -	
<1	48,010	44,480	21,278	34,173	28,577	32,843	36,305	25,718	17,127	288,511
1-2	22,970	21,662	10,117	18,279	16,630	18,535	19,487	12,285	6,934	146,899
2-3	6,437	4,256	1,135	2,337	2,243	2,970	3,423	1,995	840	25,636
3-4	250	157	81	158	153	230	233	164	69	1,495
4-5	19	47	35	39	75	95	81	76	38	505
5-6	14	13	29	34	46	86	73	66	28	389
6-7	3	6	10	22	24	45	52	47	21	230
7-8	4	4	8	9	13	35	22	14	7	116
8-9	2	6	2	7	8	16	16	12	9	78
9-10	0	1	2	3	3	12	11	5	4	41
10-11	1	1	1	2	6	11	5	6	3	36
11-12	0	0	1	3	0	5	8	11	2	30
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	3	3	6	1	2	15
Total	77,710	70,633	32,700	55,067	47,783	54,899	59,732	40,403	25,085	464,012

Estimated external radiation doses by sex (excluding radiation workers)

Effective Dose (mSv)	By sex				Total	Proportion (%)
	Male	Proportion (%)	Female	Proportion (%)		
<1	128,766	60.6	159,745	63.5	288,511	62.2
1-2	68,077	32.0	78,822	31.3	146,899	31.7
2-3	13,920	6.5	11,716	4.7	25,636	5.5
3-4	951	0.4	544	0.2	1,495	0.3
4-5	282	0.1	223	0.1	505	0.1
5-6	199	0.1	190	0.1	389	0.1
6-7	130	0.1	100	0.0	230	0.0
7-8	64	0.0	52	0.0	116	0.0
8-9	49	0.0	29	0.0	78	0.0
9-10	24	0.0	17	0.0	41	0.0
10-11	22	0.0	14	0.0	36	0.0
11-12	16	0.0	14	0.0	30	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	12	0.0	3	0.0	15	0.0
Total	212,529	100.0	251,483	100.0	464,012	100.0

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

As of 31 December 2016

Estimated external radiation doses by region in the first four months (from 11 March through 11 July) 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	16,171	52,556	9,376	151	13	10	4	0	0	0	0	0	0	0	0	0	78,281
	Nihonmatsu	1,318	8,662	3,530	90	1	0	0	0	0	0	0	0	0	0	0	0	13,601
	Date	4,385	9,074	1,135	147	8	2	3	1	1	0	0	0	0	0	0	0	14,756
	Motomiya	745	5,458	1,257	24	1	0	0	0	0	0	0	0	0	0	0	0	7,485
	Kori	315	2,751	66	2	0	1	0	0	0	0	0	0	0	0	0	0	3,135
	Kunimi	967	1,436	12	0	0	0	0	0	0	0	0	0	0	0	0	0	2,415
	Kawamata	639	2,750	185	56	17	6	3	0	0	0	0	1	0	0	0	0	3,657
	Otama	391	1,063	133	2	0	0	0	0	0	0	0	0	0	0	0	0	1,589
Kempoku Subtotal	24,931	83,750	15,694	472	40	19	10	1	1	0	0	1	0	0	0	0	124,919	
Kenchu	Koriyama	23,946	40,538	7,735	413	5	3	1	0	0	0	0	0	0	0	0	0	72,641
	Sukagawa	10,747	3,187	334	4	0	0	0	0	0	0	0	0	0	0	0	0	14,272
	Tamura	7,673	681	24	3	0	0	0	0	0	0	0	0	0	0	0	0	8,381
	Kagamishi	2,337	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,411
	Tenei	395	573	57	1	0	0	0	0	0	0	0	0	0	0	0	0	1,026
	Ishikawa	3,165	38	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3,204
	Tamakawa	1,175	18	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1,196
	Hirata	1,292	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,326
	Asakawa	1,212	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,227
	Furudono	1,059	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1,075
	Miharu	3,117	809	24	2	0	0	0	0	0	0	0	0	0	0	0	0	3,952
	Ono	2,021	83	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2,106
Kenchu Subtotal	58,139	46,064	8,182	423	5	3	1	0	0	0	0	0	0	0	0	0	112,817	
Kennan	Shirakawa	12,293	1,269	9	0	0	0	0	0	0	0	0	0	0	0	0	0	13,571
	Nishigo	2,224	1,970	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4,196
	Izumizaki	1,102	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1,124
	Nakajima	823	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	836
	Yabuki	3,347	79	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3,427
	Tanagura	2,524	28	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2,555
	Yamatsuri	1,139	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,148
	Hanawa	1,852	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,875
	Samegawa	650	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	660
Kennan Subtotal	25,954	3,421	17	0	0	0	0	0	0	0	0	0	0	0	0	0	29,392	
Aizu	Aizuwakamatsu	23,631	160	13	0	0	0	1	0	0	0	0	0	0	0	0	0	23,805
	Kitakata	8,888	56	3	1	0	0	0	0	0	0	0	0	0	0	0	0	8,948
	Kitashiobara	475	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	479
	Nishiaizu	1,012	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,014
	Bandai	654	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	664
	Inawashiro	2,840	30	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2,873
	Aizubange	2,613	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,628
	Yugawa	579	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	583
	Yanaizu	544	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	548
	Mishima	246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246
	Kaneyama	405	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	408
	Showa	245	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	246
	Aizumisato	3,567	22	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3,592
Aizu Subtotal	45,699	308	25	1	0	0	1	0	0	0	0	0	0	0	0	0	46,034	
Minami-aizu	Shimogo	961	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	966
	Hinoemata	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
	Tadami	874	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	879
	Minami-aizu	3,009	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,035
Minami-aizu Subtotal	4,947	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,983	
Soso	Soma	10,009	458	87	20	5	0	0	0	0	2	0	0	0	0	0	0	10,581
	Minami-soma	19,115	6,221	513	99	35	3	7	4	1	0	0	1	0	0	0	0	25,999
	Hirono	1,836	58	2	0	0	0	1	0	1	0	0	0	0	0	0	0	1,898
	Naraha	3,393	131	13	2	0	1	1	0	0	0	0	0	0	0	0	0	3,541
	Tomiooka	5,826	1,102	98	18	3	2	0	3	2	0	0	1	0	0	0	0	7,055
	Kawauchi	962	350	16	1	0	1	1	1	0	0	0	0	0	0	0	0	1,332
	Okuma	3,370	1,284	112	17	6	4	4	3	0	2	2	1	0	4	0	1	4,810
	Futaba	2,671	468	77	18	6	4	3	6	2	1	0	2	0	0	0	2	3,260
	Namie	5,739	2,117	383	68	40	17	12	13	9	6	11	7	5	4	3	8	8,442
	Katsurao	502	162	24	4	0	1	0	0	0	0	0	0	0	0	0	0	693
	Shinchi	2,174	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,194
Iitate	186	317	363	348	364	333	189	85	62	30	23	17	8	4	3	4	2,336	
Soso Subtotal	55,783	12,688	1,688	595	459	366	218	115	77	41	36	29	13	12	6	15	72,141	
Iwaki	73,058	632	30	4	1	1	0	0	0	0	0	0	0	0	0	0	73,726	
Total	288,511	146,899	25,636	1,495	505	389	230	116	78	41	36	30	13	12	6	15	464,012	
Proportion (%)		62.2	31.7	5.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
		93.8		5.8		0.2		0.1		0.0		0.0		0.0		0.0	100.0	
			99.8					0.2					0.0				0.0	100.0
Visitors	1,455	271	18	2	0	0	0	0	0	0	0	0	0	0	0	1	1,747	
Total+Visitors	289,966	147,170	25,654	1,497	505	389	230	116	78	41	36	30	13	12	6	16	465,759	

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