

Results of a Condition Survey on Disaster Protection Functions of School Facilities

Educational Facilities Research Center, National Institute for Educational Policy Research-Japan, conducted a condition survey on disaster protection facilities/equipment of public schools designated as shelters in Japan. The center publicly discloses the compiled results.

1. Purpose and background

- School facilities have a role as shelters for local residents and made a big contribution to their evacuation after the Great East Japan earthquake. On the other hand, schools used as shelters faced various issues, including the securing of electricity and water.
- “Ideal State of Disaster-Resilient School Facilities –Tsunami protection measures and enhancement of disaster prevention function as evacuation shelter–” was compiled and made public by MEXT in March 2014. It states that for the development of disaster-resilient school facilities, it is important for school establishers (boards of education), disaster management departments, and local residents to cooperate in taking concrete measures in accordance with the site condition and actual management of the individual schools based on the regional disaster prevention plan of the respective local government.
- Against this background, NIER conducted a condition survey on disaster protection functions of public schools across Japan following the survey in the last fiscal year.
[Major difference from the FY2013 Survey]
 - Survey on issues for development of disaster protection facilities/equipment of schools designated as shelters.
 - In addition to the stockpile warehouses established in the neighborhood of the school, stockpiling systems based on an agreement with private businesses, etc. are included in stockpile warehouses, etc. (with the addition of those in the neighborhood) in this survey.
 - Schools that are designated only as emergency evacuation sites based on the revision of the Basic Act on Disaster Control Measures are excluded from the survey.

2. Outline of the survey results (as of May 1, 2014) *details are in the appendix

(1) Situation of designation as evacuation shelters

- Schools designated as evacuation shelters: 31,869 schools or 91% of all public schools in Japan (32,202 schools or 92% in the last fiscal year)

(2) Coordination/cooperation for improvement of disaster protection functions

- Roles of the board of education and the disaster management departments are defined in a disaster prevention plan, etc.: 68% (66% in the previous fiscal year)
- Functions that would be necessary for an evacuation shelter have been or are being considered: 60% (56% in the previous fiscal year)
- A plan to use school facilities as shelters has been developed: 44% (43% in the previous fiscal year)

(3) State of the development of disaster prevention facilities/equipment

- Schools with a stockpile warehouse, etc. on the premises: 47% (42% in the previous

fiscal year)

- Schools with toilets accessible from outdoors: 70% (69% in the previous fiscal year)
- Schools with toilets in the gymnasium: 81% (81% in the previous fiscal year)
- Schools with emergency communication equipment: 56% (47% in the previous fiscal year)
- Schools with a non-utility power generator to prepare for power outage: 40% (34% in the previous fiscal year)
- Schools with a water tank and/or a water purification system for the swimming pool: 36% (35% in the previous fiscal year)

3. Future plans

- The survey results will be sent to boards of education of prefectures across Japan and published on the following website of the Institute:
<http://www.nier.go.jp/shisetsu/pdf/bousaikinou2014.pdf>

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Results of a Condition Survey on Disaster Protection Functions of School Facilities

Educational Facilities Research Center, National Institute for Educational Policy Research

School facilities are places of learning and living for children and at the same time have a role of evacuation shelters for local residents in a disaster. Schools made a big contribution to their evacuation after the Great East Japan Earthquake. On the other hand, schools used as shelters faced various issues in their evacuation functions, including securement of electricity and water.

The urgent recommendation, “Concerning School Facility Improvement in Light of the Damage Caused by the Great East Japan Earthquake,” compiled by MEXT (made public in July 2011) states that “there is a need to change the way of thinking in future development/improvement of school facilities to provide functions necessary for emergency evacuation sites in addition to educational functions so that schools can fulfill their important role as emergency evacuation sites for children and local residents” and that it is necessary to define the extent of the role as an evacuation shelter that school facilities should fulfill as well as determine facilities and equipment that school facilities should have in each of the four stages of the period from the beginning of an earthquake disaster to the resumption of school: (1) lifesaving/evacuation stage; (2) life-securing stage; (3) ensuring sheltered-life stage and; (4) school function resuming stage; and (4) school function resuming stage.

Later, “Ideal State of Disaster-Resilient School Facilities –Tsunami protection measures and enhancement of disaster prevention function as evacuation shelter–” was compiled and made public by MEXT in March 2014. It describes the basic concept and points of planning/design of school facilities that will serve as evacuation shelters for their communities.

While development and management of public school facilities are to be carried out by the boards of education, the Basic Disaster Management Plan stipulates that local governments must make efforts to develop facilities/equipment necessary to function as evacuation shelters based on the disaster prevention plans of the respective communities. Therefore their disaster management departments in cooperation with the boards of education should endeavor proactively to develop a disaster management system for school facilities including designation of schools as evacuation shelters. The Emergency Recommendations, etc. mentioned above also state that for a school to assume a role as an emergency evacuation site for local residents after fulfilling its primary responsibilities, it is most important that the board of education, the disaster management department, and local residents deal with situations in close coordination/cooperation.

Against this background, NIER conducted a condition survey on disaster protection functions of public schools across Japan following the survey conducted in the last fiscal year. The purpose of this survey was to identify the state of coordination/cooperation between boards of education and disaster management departments to improve disaster protection functions of school facilities, and the development of the facilities/equipment that were mentioned as functions necessary for an evacuation shelter in the Emergency Recommendation and other documents mentioned above.

The survey results will be sent to boards of education of prefectures across Japan and published on the website of the Institute (URL is shown below)

- Results of 2014 Survey: <http://www.nier.go.jp/shisetsu/pdf/bousaikinou2014.pdf>

Results of the previous surveys on disaster protection functions of school facilities are also published.

- Results of 2013 Survey: <http://www.nier.go.jp/shisetsu/pdf/bousaikinou2013.pdf>

- Results of 2012 Survey: <http://www.nier.go.jp/shisetsu/pdf/bousaikinou2012.pdf>

- Results of 2011 Survey: <http://www.nier.go.jp/shisetsu/pdf/bousaikinou2011.pdf>

- Results of 2006 Survey: <http://www.nier.go.jp/shisetsu/pdf/bousaitsuiki.pdf>

1. Outline of the condition survey

- Survey subject: Public elementary schools, lower secondary schools, upper secondary schools, secondary education schools, and Schools for Special Needs Education in Japan
- Survey timing: as of May 1, 2014
- Survey method: questionnaires were sent to all prefectural boards of education, and they all responded
- Survey items: the survey was conducted on the following seven items

([new] indicates new items while [partial change] indicates partially changed items)

- (1) Number of schools designated as shelters
- (2) Coordination/cooperation system between the board of education and the disaster management department
- (3) Status of the considerations of disaster protection functions believed to be necessary for a shelter
- (4) Status of the formulation of a utilization plan for school facilities as evacuation shelters
- (5) Consideration of regional disaster prevention in planning and design of school facilities
- (6) Issues in developing disaster protection facilities/equipment of schools designated as shelters [new]
- (7) Status of the development of disaster protection facilities/equipment of schools designated as shelters
 - Stockpile warehouse, etc. [partial change]
 - Toilets accessible from outdoors, toilets in gymnasiums, etc.
 - Emergency communication equipment (Priority telephone links in disaster, disaster management radio communications, satellite phones, etc.
 - Non-utility power generator, etc. (including portable types)
 - Water tank, water purification system for the swimming pool, well, etc.
 - Space with consideration for privacy and people needing assistance
 - Barrier-free gymnasiums and school buildings (with wheelchair ramps, multipurpose toilets, etc.)

* In addition to the stockpile warehouses established in the neighborhood of the school, stockpiling systems based on an agreement with private businesses, etc. are included in stockpile warehouses, etc. (with the addition of those in the neighborhood) in this survey.

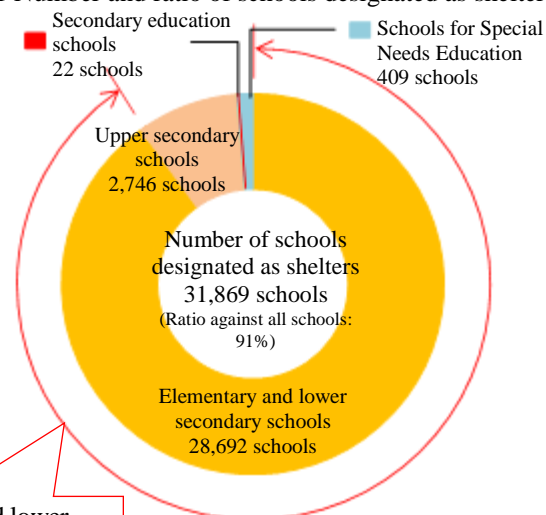
2. Number of schools designated as evacuation shelters

- 91.4% (91.5% in the previous year) of the public schools in Japan or 31,869 public schools are designated as an evacuation shelter
- 90.0% of them (28,692 schools) are an elementary or lower secondary school
- The ratio of schools designated as shelters is almost the same as that of the previous survey.

Table 1 Number and ratio of schools designated as shelters

School type	Total number of schools	Schools designated as shelters	Ratio (%)
Elementary and lower secondary	30,195	28,692	95.0
Upper secondary	3,614	2,746	76.0
Secondary education	30	22	73.3
Special needs education	1,013	409	40.4
Total	34,852 (35,207)	31,869 (32,202)	91.4 (91.5)

Figure 1 Number and ratio of schools designated as shelters



- The upper part shows the national figures as of May 2014.
- The lower part shows the national figures as of May 2013 in parentheses.
- In the 2014 survey schools that are designated only as emergency evacuation sites based on the revised Basic Act on Disaster Control Measures are excluded from the survey.

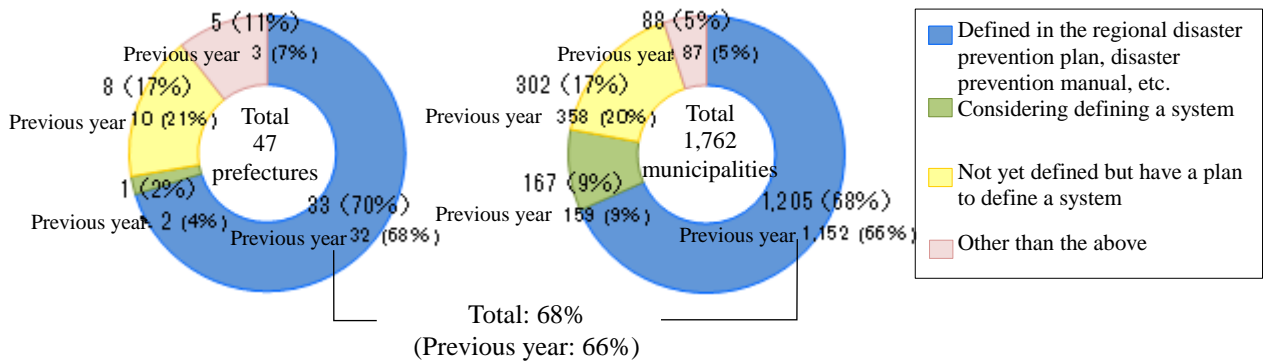
Ratio of elementary and lower secondary schools against all schools designated as shelters: 90.0%

3. Coordination/cooperation system between the board of education and the disaster management department

- Survey results on whether a system had been defined for coordination/cooperation between the board of education and the disaster management department while ensuring clear role sharing: 70% of the prefectures and 68% of the municipalities, 68% in total (66% in the previous year), had established such systems in their regional disaster prevention plan.

*Municipalities, etc. include some organizations of clerical work in addition to municipal boards of education.

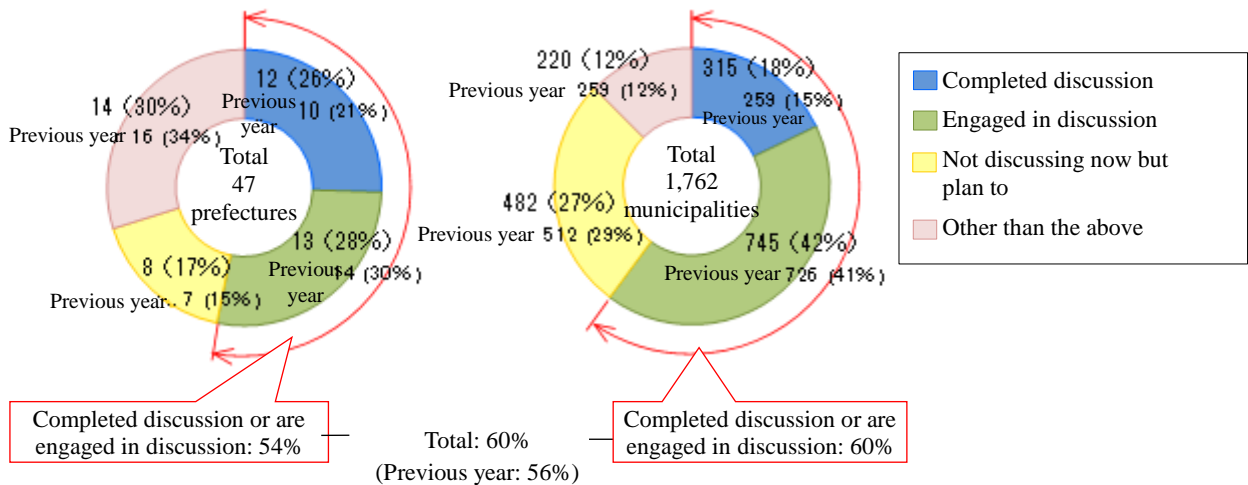
Figure 2 Defining of Coordination/cooperation system between the board of education and the disaster management department



4. Status of discussion on disaster protection functions believed to be necessary for a shelter

- Survey results on whether they were considering facilities/equipment necessary for a shelter: 54% of the prefectures and 60% of the municipalities, 60% in total (56% in the previous year) completed discussion or were engaged in discussion.

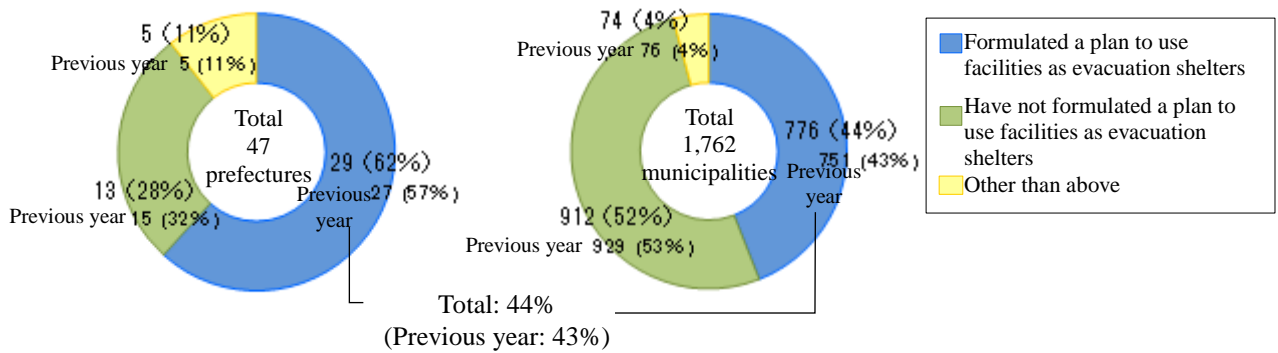
Figure 3 Status of the consideration of disaster protection functions believed to be necessary for a shelter



5. Status of the formulation of a facility utilization plan to use schools as evacuation shelters

- Survey results on whether their facility utilization plans (including disaster manuals, etc. describing a facility utilization plan) considered use of the school facilities as evacuation shelters: 62% of the prefectures and 44% of the municipalities, 44% in total (43% in the previous year) had plans to use them as shelters.

Figure 4 Status of the formulation of a school facilities utilization plan to use them as evacuation shelters

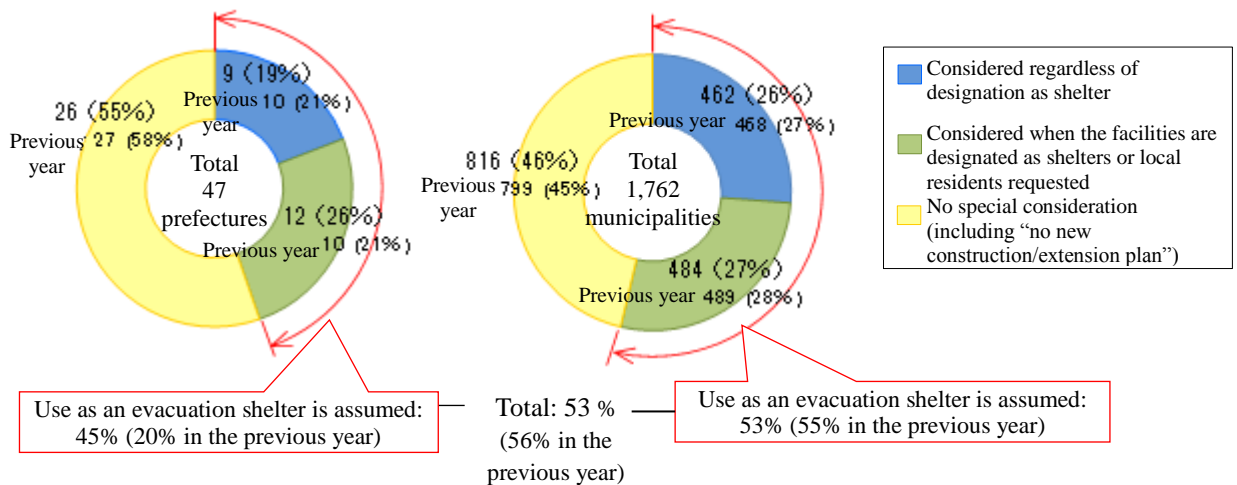


6. Consideration of regional disaster prevention in planning and design of school facilities

- The special considerations for use as an evacuation shelter when planning and designing school facilities, the ideal consideration, inspection and maintenance of disaster protection facilities/equipment, and the financial support system used for the development of school facilities with disaster protection functions were surveyed.
- 45% of the prefectures and 53% of the municipalities, 53% in total (56% in the previous year), gave consideration to regional disaster prevention when planning and designing school facilities.

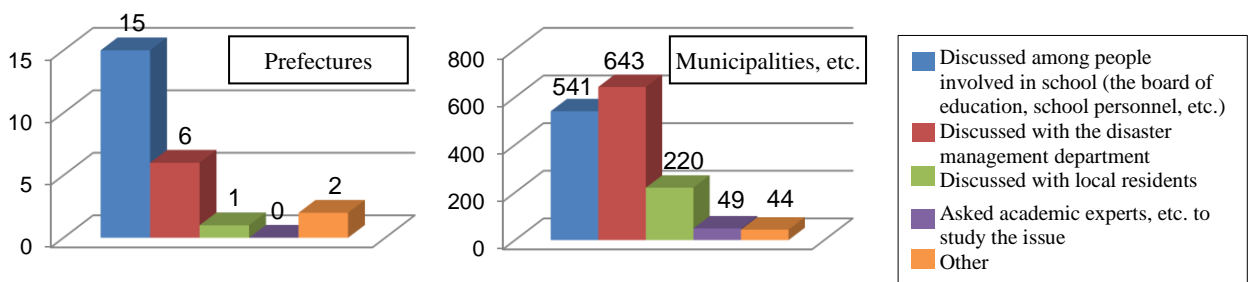
*Cases without new construction, extension or major conversion are included in “no special consideration.”

Figure 5 Consideration of regional disaster prevention in planning and design of school facilities



- In the approaches of consideration of regional disaster prevention, the largest number of prefectures discussed “among people involved in school,” while the largest number of municipalities discussed the matter “with the disaster management department.”

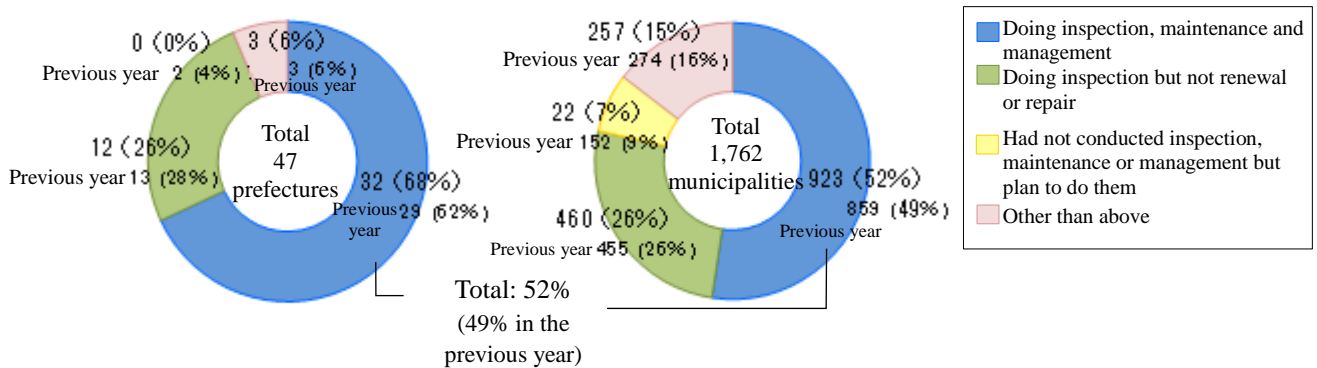
Figure 6 Approach to discussion of consideration of regional disaster prevention



- Inspection and maintenance/management of disaster protection facilities/equipment: 68% of the prefectures and 52% of the municipalities, 52% in total (49% in the previous year), were conducting regular inspection and ensured appropriate maintenance and management.

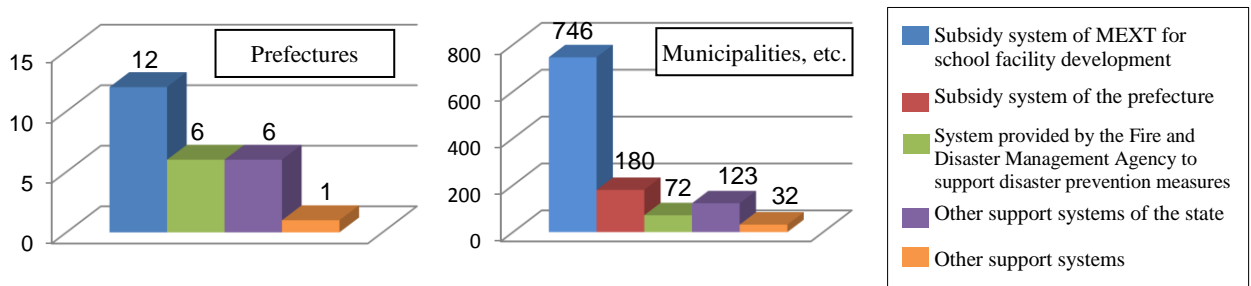
*Cases without applicable facilities/equipment are included in “other than above.”

Figure 7 Inspection and maintenance/management of disaster protection facilities/equipment



- Financial support system used for the development of school facilities with disaster protection functions: In addition to subsidy systems of MEXT, systems of prefectures, the Fire and Disaster Management Agency, and other state organs (Cabinet Office, the Ministry of Internal Affairs and Communications, the Ministry of Land, Infrastructure, Transport and Tourism, the Ministry of the Environment, etc.) are used.

Figure 8 Financial support system used for the development of school facilities with disaster protection functions



7. Issues in developing disaster protection facilities/equipment of schools designated as evacuation shelters

- The issues in developing disaster protection facilities/equipment of schools were surveyed
- This survey item was for boards of education and disaster management departments.
- Many of the financial issues cited involve requests for expansion of the support system of the state and others because the priority is to secure financial resources for development and maintenance/management, earthquake protection, and measures to deal with deterioration of school facilities, including non-structural members.
- Many of the development and maintenance/management issues were about securing space for the development of disaster protection facilities/equipment, stockpile space and a lifeline for times of emergency, and implementation of appropriate maintenance and management.
- Many of the issues concerning consideration for schools are about the simultaneous pursuit of shelter and school functions, and the securing of a construction period for the development.
- Many of the issues concerning coordination among parties involved are about building a coordination system and defining roles of the board of education, school personnel, the disaster management department and local residents, as well as the formulation of a development policy covering specific facilities/equipment, utilization plans and administration manuals.
- Other issues include shortage of knowledge and human resources in the field of disaster management and

development, and the decrease in school facilities due to school consolidation.

Figure 9 Issues in developing disaster protection facilities/equipment of schools designated as evacuation shelters (for boards of education)

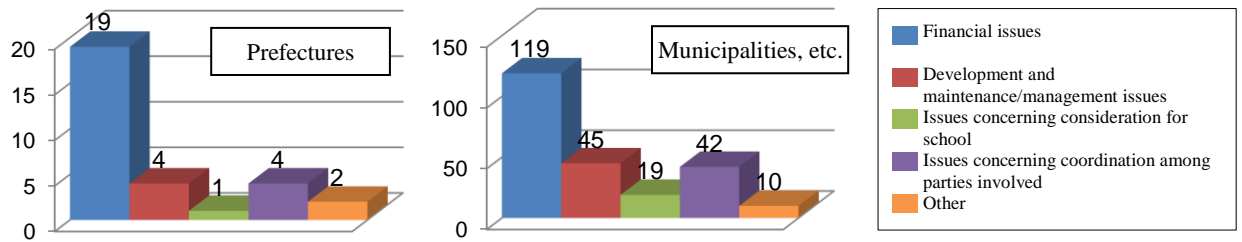
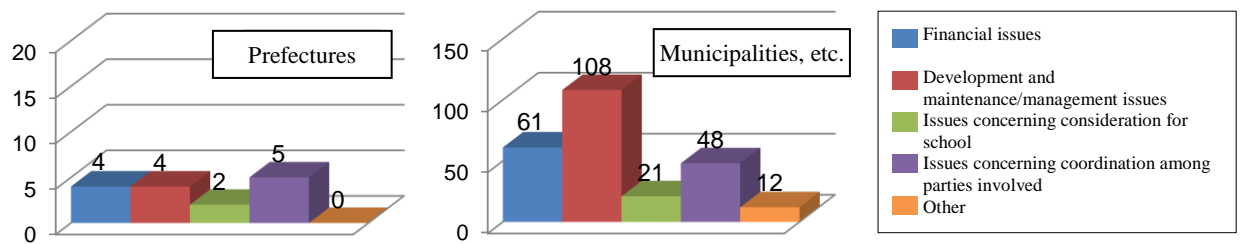


Figure 10 Issues in developing disaster protection facilities/equipment of schools designated as evacuation shelters (for disaster management departments)



8. Status of the development of disaster protection facilities/equipment of schools designated as evacuation shelters

- Each local government is expected to make efforts to develop disaster protection facilities/equipment based on the regional disaster prevention plan according to the local conditions. The results of the survey on their situation are as follows:
- The ratio of schools with the respective facilities/equipment has been increasing every fiscal year since the FY2006 Survey.
- Disaster protection facilities/equipment may be developed not in the school but in neighborhood facilities depending on the regional disaster prevention plan. In such case their actual operation is conducted in coordination with the neighborhood facilities.

Figure 11 Changes in the ratio of schools with the respective disaster protection facilities/equipment (%)

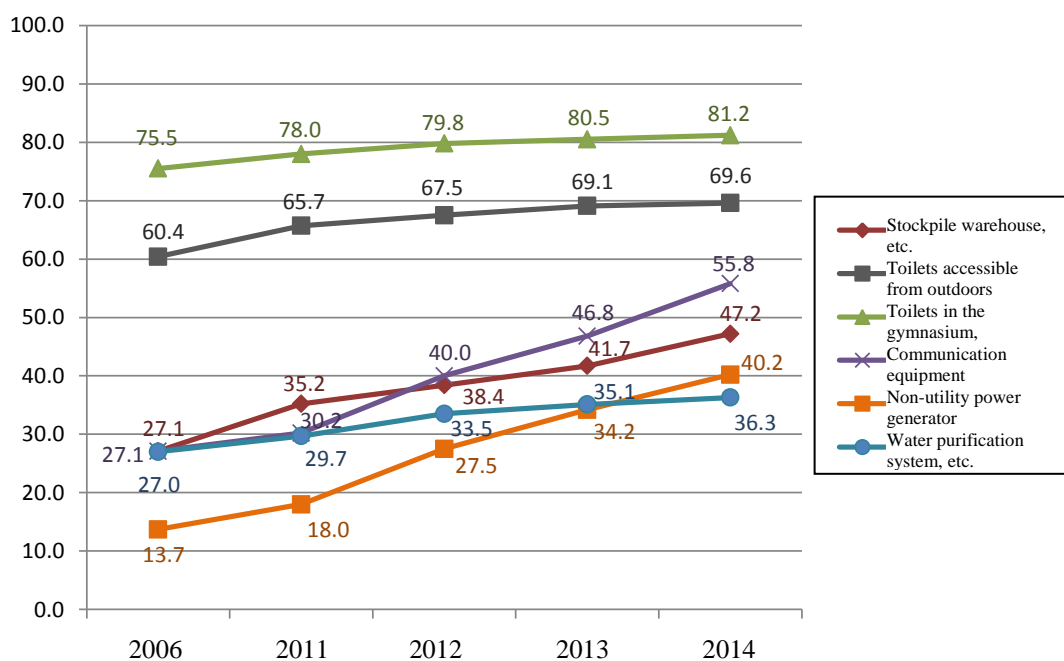


Table 2 Status of the development of disaster protection facilities/equipment of schools designated as evacuation shelters

Item	Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
	Number of schools designated as evacuation shelters	Schools with the facilities/equipment	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities/equipment	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities/equipment	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities/equipment	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities/equipment	Ratio (%) ^{*4}
Stockpile warehouse, etc. (on school premises)	28,692	14,021	48.9	2,746	850	31.0	22	5	22.7	409	159	38.9	31,869	15,035	47.2 (41.7)
Stockpile warehouse, etc. (with the addition of those in the neighborhood)*1		17,725	61.8		1,060	38.6		8	36.4		183	44.7		18,976	59.5 (51.8)
Toilets accessible from outdoors		19,836	69.1		2,104	76.6		14	63.6		229	56.0		22,183	69.6 (69.1)
Toilets in the gymnasium		23,709	82.6		1,875	68.3		16	72.7		292	71.4		25,892	81.2 (80.5)
Multipurpose toilets in the gymnasium/school buildings*2		15,164	52.9		1,766	64.3		13	59.1		326	79.7		17,269	54.2 (50.5)
Communication equipment		16,513	57.6		1,092	39.8		7	31.8		160	39.1		17,772	55.8 (46.8)
Non-utility power generator, etc. *3		11,370	39.6		1,120	40.8		8	36.4		325	79.5		12,823	40.2 (34.2)
Water tank, water purification system for the swimming pool or well		10,390	36.2		1,015	37.0		8	36.4		140	34.2		11,553	36.3 (35.1)
Space for people needing assistance		13,343	46.5		1,448	52.7		9	40.9		208	50.9		15,008	47.1 (44.7)
Space with consideration to privacy		13,185	46.0		1,291	47.0		6	27.3		178	43.5		14,660	46.0 (41.8)
Wheelchair ramps in gymnasiums/school buildings*2		18,724	65.3		1,943	70.8		12	54.5		346	84.6		21,025	66.0 (63.2)

*1 In addition to the stockpile warehouses established in the neighborhood of the school, stockpiling systems based on an agreement with private businesses, etc. are included in this survey.

*2 Multipurpose toilets and wheelchair ramps either in the gymnasium or school buildings

*3 Non-utility power generators include photovoltaic installations that can supply power in a disaster, batteries, and agreements that give the school priority use of a generator owned by others.

*4 Figures in () after the ratios in the ratio column are values as of May 2013.

Table 3 Ratio of schools with western-style toilets accessible from outdoors or in the gymnasium

Item	Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
	Number of schools with appropriate toilets	Number of schools with western-style toilets	Ratio (%)	Number of schools with appropriate toilets	Number of schools with western-style toilets	Ratio (%)	Number of schools with appropriate toilets	Number of schools with western-style toilets	Ratio (%)	Number of schools with appropriate toilets	Number of schools with western-style toilets	Ratio (%)	Number of schools with appropriate toilets	Number of schools with western-style toilets	Ratio (%) [*]
Toilets accessible from outdoors (western-style)	19,836	6,758	34.1	2,104	826	39.3	14	5	35.7	229	154	67.2	22,183	7,743	34.9 (33.0)
Toilets in the gymnasium (western-style)	23,709	13,597	57.3	1,875	1,169	62.3	16	10	62.5	292	253	86.6	25,892	15,029	58.0 (54.7)

* Figures in () after the ratios in the ratio column are values as of May 2013.

Table 4 Ratio of schools with communication equipment capable of intercommunication

Item	Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
	Number of schools with communication equipment	Number of schools with intercommunication equipment	Ratio (%)	Number of schools with communication equipment	Number of schools with intercommunication equipment	Ratio (%)	Number of schools with communication equipment	Number of schools with intercommunication equipment	Ratio (%)	Number of schools with communication equipment	Number of schools with intercommunication equipment	Ratio (%)	Number of schools with communication equipment	Number of schools with intercommunication equipment	Ratio (%) [*]
Communication equipment (intercommunication)	16,513	13,596	82.3	1,092	813	74.5	7	6	85.7	160	134	83.8	17,772	14,549	81.9 (81.7)

* Figures in () after the ratios in the ratio column are values as of May 2013.

Table 5 Number of schools with manhole toilets

Item	Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
	Number of schools designated as evacuation shelters	Schools with the facilities	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities	Ratio (%)	Number of schools designated as evacuation shelters	Schools with the facilities	Ratio (%) [*]
Manhole toilets	28,692	2,721	9.5	2,746	98	3.6	22	0	0.0	409	19	4.6	31,869	2,838	8.9 (7.8)

* Figures in () after the ratios in the ratio column are values as of May 2013.

Results of a Condition Survey on Disaster Protection

Functions of School Facilities

(Supplemental data)

Status of the development of disaster protection facilities/equipment of schools
designated as shelters (by prefecture)

National Institute for Educational Policy Research

It is necessary to keep in mind that the values in the data should not be interpreted uniformly because disaster protection functions of school facilities should be positioned in the disaster management plan of the respective region and may vary depending on the positioning of the school facilities.

Number and ratio of schools with a stockpile warehouse, etc. on their premises

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)
01	Hokkaido	1,675	500	29.9%	201	6	3.0%	0	0	-	23	1	4.3%	1,899	507	26.7%
02	Aomori	462	99	21.4%	49	10	20.4%	0	0	-	3	0	0.0%	514	109	21.2%
03	Iwate	474	112	23.6%	42	1	2.4%	0	0	-	2	0	0.0%	518	113	21.8%
04	Miyagi	574	484	84.3%	51	40	78.4%	1	1	100.0%	2	2	100.0%	628	527	83.9%
05	Akita	334	23	6.9%	43	0	0.0%	0	0	-	4	0	0.0%	381	23	6.0%
06	Yamagata	362	78	21.5%	40	11	27.5%	0	0	-	4	1	25.0%	406	90	22.2%
07	Fukushima	583	112	19.2%	57	7	12.3%	0	0	-	4	1	25.0%	644	120	18.6%
08	Ibaraki	749	332	44.3%	78	52	66.7%	2	0	0.0%	15	9	60.0%	844	393	46.6%
09	Tochigi	516	37	7.2%	44	8	18.2%	0	0	-	0	0	-	560	45	8.0%
10	Gunma	476	58	12.2%	57	15	26.3%	1	0	0.0%	6	0	0.0%	540	73	13.5%
11	Saitama	1,213	1,035	85.3%	142	48	33.8%	0	0	-	33	8	24.2%	1,388	1,091	78.6%
12	Chiba	1,183	835	70.6%	115	25	21.7%	0	0	-	11	3	27.3%	1,309	863	65.9%
13	Tokyo	1,905	1,834	96.3%	147	133	90.5%	3	2	66.7%	44	37	84.1%	2,099	2,006	95.6%
14	Kanagawa	1,209	1,197	99.0%	57	54	94.7%	1	1	100.0%	18	17	94.4%	1,285	1,269	98.8%
15	Niigata	716	185	25.8%	77	9	11.7%	7	0	0.0%	10	0	0.0%	810	194	24.0%
16	Toyama	273	58	21.2%	41	1	2.4%	0	0	-	9	5	55.6%	323	64	19.8%
17	Ishikawa	302	146	48.3%	44	2	4.5%	0	0	-	5	1	20.0%	351	149	42.5%
18	Fukui	282	103	36.5%	29	1	3.4%	0	0	-	1	0	0.0%	312	104	33.3%
19	Yamanashi	255	127	49.8%	23	17	73.9%	0	0	-	1	1	100.0%	279	145	52.0%
20	Nagano	547	179	32.7%	64	10	15.6%	0	0	-	7	2	28.6%	618	191	30.9%
21	Gifu	539	267	49.5%	62	8	12.9%	0	0	-	12	2	16.7%	613	277	45.2%
22	Shizuoka	726	662	91.2%	70	67	95.7%	0	0	-	19	19	100.0%	815	748	91.8%
23	Aichi	1,336	1,143	85.6%	122	85	69.7%	0	0	-	16	6	37.5%	1,474	1,234	83.7%
24	Mie	533	355	66.6%	48	22	45.8%	0	0	-	4	2	50.0%	585	379	64.8%
25	Shiga	320	105	32.8%	39	0	0.0%	0	0	-	3	0	0.0%	362	105	29.0%
26	Kyoto	561	328	58.5%	59	17	28.8%	0	0	-	15	2	13.3%	635	347	54.6%
27	Osaka	1,438	1,196	83.2%	132	54	40.9%	0	0	-	16	13	81.3%	1,586	1,263	79.6%
28	Hyogo	1,102	571	51.8%	126	17	13.5%	0	0	-	14	4	28.6%	1,242	592	47.7%
29	Nara	307	143	46.6%	29	20	69.0%	0	0	-	9	4	44.4%	345	167	48.4%
30	Wakayama	355	196	55.2%	39	22	56.4%	0	0	-	3	3	100.0%	397	221	55.7%
31	Tottori	188	36	19.1%	16	0	0.0%	0	0	-	4	0	0.0%	208	36	17.3%
32	Shimane	285	22	7.7%	30	0	0.0%	0	0	-	9	0	0.0%	324	22	6.8%
33	Okayama	553	122	22.1%	60	3	5.0%	1	0	0.0%	10	1	10.0%	624	126	20.2%
34	Hiroshima	708	245	34.6%	64	5	7.8%	0	0	-	7	1	14.3%	779	251	32.2%
35	Yamaguchi	436	59	13.5%	45	8	17.8%	1	1	100.0%	6	5	83.3%	488	73	15.0%
36	Tokushima	298	147	49.3%	33	16	48.5%	0	0	-	6	3	50.0%	337	166	49.3%
37	Kagawa	237	72	30.4%	26	11	42.3%	0	0	-	4	1	25.0%	267	84	31.5%
38	Ehime	431	39	9.0%	47	1	2.1%	3	0	0.0%	3	0	0.0%	484	40	8.3%
39	Kochi	331	120	36.3%	27	27	100.0%	0	0	-	5	5	100.0%	363	152	41.9%
40	Fukuoka	1,033	197	19.1%	71	6	8.5%	1	0	0.0%	16	0	0.0%	1,121	203	18.1%
41	Saga	250	7	2.8%	21	1	4.8%	0	0	-	0	0	-	271	8	3.0%
42	Nagasaki	486	20	4.1%	55	3	5.5%	0	0	-	10	0	0.0%	551	23	4.2%
43	Kumamoto	466	156	33.5%	28	2	7.1%	0	0	-	0	0	-	494	158	32.0%
44	Oita	352	125	35.5%	22	5	22.7%	0	0	-	7	0	0.0%	381	130	34.1%
45	Miyazaki	341	76	22.3%	21	0	0.0%	1	0	0.0%	2	0	0.0%	365	76	20.8%
46	Kagoshima	602	8	1.3%	27	0	0.0%	0	0	-	4	0	0.0%	633	8	1.3%
47	Okinawa	388	70	18.0%	26	0	0.0%	0	0	-	3	0	0.0%	417	70	16.8%
Total		28,692	14,021	48.9%	2,746	850	31.0%	22	5	22.7%	409	159	38.9%	31,869	15,035	47.2%

Number and ratio of schools with a stockpile warehouse, etc. (including those in the neighborhood)

*In addition to the stockpile warehouses established in the neighborhood of the school, stockpiling systems based on an agreement with private businesses, etc. are included in the FY2014 Survey and thereafter.

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)	Number of schools designated as shelters	Number of schools with a warehouse	Ratio (%)
01	Hokkaido	1,675	651	38.9%	201	7	3.5%	0	0	-	23	1	4.3%	1,899	659	34.7%
02	Aomori	462	119	25.8%	49	14	28.6%	0	0	-	3	0	0.0%	514	133	25.9%
03	Iwate	474	185	39.0%	42	1	2.4%	0	0	-	2	0	0.0%	518	186	35.9%
04	Miyagi	574	513	89.4%	51	41	80.4%	1	1	100.0%	2	2	100.0%	628	557	88.7%
05	Akita	334	47	14.1%	43	0	0.0%	0	0	-	4	0	0.0%	381	47	12.3%
06	Yamagata	362	98	27.1%	40	14	35.0%	0	0	-	4	1	25.0%	406	113	27.8%
07	Fukushima	583	258	44.3%	57	12	21.1%	0	0	-	4	1	25.0%	644	271	42.1%
08	Ibaraki	749	377	50.3%	78	64	82.1%	2	0	0.0%	15	10	66.7%	844	451	53.4%
09	Tochigi	516	187	36.2%	44	8	18.2%	0	0	-	0	0	-	560	195	34.8%
10	Gunma	476	150	31.5%	57	20	35.1%	1	0	0.0%	6	1	16.7%	540	171	31.7%
11	Saitama	1,213	1,055	87.0%	142	48	33.8%	0	0	-	33	9	27.3%	1,388	1,112	80.1%
12	Chiba	1,183	909	76.8%	115	26	22.6%	0	0	-	11	3	27.3%	1,309	938	71.7%
13	Tokyo	1,905	1,869	98.1%	147	143	97.3%	3	3	100.0%	44	40	90.9%	2,099	2,055	97.9%
14	Kanagawa	1,209	1,209	100.0%	57	54	94.7%	1	1	100.0%	18	17	94.4%	1,285	1,281	99.7%
15	Niigata	716	402	56.1%	77	19	24.7%	7	2	28.6%	10	2	20.0%	810	425	52.5%
16	Toyama	273	61	22.3%	41	1	2.4%	0	0	-	9	5	55.6%	323	67	20.7%
17	Ishikawa	302	169	56.0%	44	6	13.6%	0	0	-	5	1	20.0%	351	176	50.1%
18	Fukui	282	141	50.0%	29	1	3.4%	0	0	-	1	0	0.0%	312	142	45.5%
19	Yamanashi	255	177	69.4%	23	23	100.0%	0	0	-	1	1	100.0%	279	201	72.0%
20	Nagano	547	281	51.4%	64	19	29.7%	0	0	-	7	2	28.6%	618	302	48.9%
21	Gifu	539	377	69.9%	62	12	19.4%	0	0	-	12	3	25.0%	613	392	63.9%
22	Shizuoka	726	705	97.1%	70	68	97.1%	0	0	-	19	19	100.0%	815	792	97.2%
23	Aichi	1,336	1,196	89.5%	122	97	79.5%	0	0	-	16	8	50.0%	1,474	1,301	88.3%
24	Mie	533	409	76.7%	48	23	47.9%	0	0	-	4	2	50.0%	585	434	74.2%
25	Shiga	320	148	46.3%	39	1	2.6%	0	0	-	3	0	0.0%	362	149	41.2%
26	Kyoto	561	378	67.4%	59	18	30.5%	0	0	-	15	2	13.3%	635	398	62.7%
27	Osaka	1,438	1,219	84.8%	132	72	54.5%	0	0	-	16	13	81.3%	1,586	1,304	82.2%
28	Hyogo	1,102	730	66.2%	126	35	27.8%	0	0	-	14	6	42.9%	1,242	771	62.1%
29	Nara	307	220	71.7%	29	22	75.9%	0	0	-	9	4	44.4%	345	246	71.3%
30	Wakayama	355	243	68.5%	39	26	66.7%	0	0	-	3	3	100.0%	397	272	68.5%
31	Tottori	188	84	44.7%	16	0	0.0%	0	0	-	4	0	0.0%	208	84	40.4%
32	Shimane	285	32	11.2%	30	3	10.0%	0	0	-	9	0	0.0%	324	35	10.8%
33	Okayama	553	152	27.5%	60	4	6.7%	1	0	0.0%	10	1	10.0%	624	157	25.2%
34	Hiroshima	708	439	62.0%	64	16	25.0%	0	0	-	7	2	28.6%	779	457	58.7%
35	Yamaguchi	436	308	70.6%	45	12	26.7%	1	1	100.0%	6	5	83.3%	488	326	66.8%
36	Tokushima	298	152	51.0%	33	16	48.5%	0	0	-	6	4	66.7%	337	172	51.0%
37	Kagawa	237	91	38.4%	26	11	42.3%	0	0	-	4	1	25.0%	267	103	38.6%
38	Ehime	431	122	28.3%	47	10	21.3%	3	0	0.0%	3	0	0.0%	484	132	27.3%
39	Kochi	331	158	47.7%	27	27	100.0%	0	0	-	5	5	100.0%	363	190	52.3%
40	Fukuoka	1,033	422	40.9%	71	17	23.9%	1	0	0.0%	16	3	18.8%	1,121	442	39.4%
41	Saga	250	60	24.0%	21	1	4.8%	0	0	-	0	0	-	271	61	22.5%
42	Nagasaki	486	49	10.1%	55	6	10.9%	0	0	-	10	1	10.0%	551	56	10.2%
43	Kumamoto	466	222	47.6%	28	3	10.7%	0	0	-	0	0	-	494	225	45.5%
44	Oita	352	165	46.9%	22	8	36.4%	0	0	-	7	1	14.3%	381	174	45.7%
45	Miyazaki	341	113	33.1%	21	0	0.0%	1	0	0.0%	2	0	0.0%	365	113	31.0%
46	Kagoshima	602	595	98.8%	27	27	100.0%	0	0	-	4	4	100.0%	633	626	98.9%
47	Okinawa	388	78	20.1%	26	4	15.4%	0	0	-	3	0	0.0%	417	82	19.7%
	Total	28,692	17,725	61.8%	2,746	1,060	38.6%	22	8	36.4%	409	183	44.7%	31,869	18,976	59.5%

Number and ratio of schools with toilets accessible from outdoors

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)
01	Hokkaido	1,675	302	18.0%	201	26	12.9%	0	0	-	23	1	4.3%	1,899	329	17.3%
02	Aomori	462	131	28.4%	49	19	38.8%	0	0	-	3	1	33.3%	514	151	29.4%
03	Iwate	474	245	51.7%	42	30	71.4%	0	0	-	2	1	50.0%	518	276	53.3%
04	Miyagi	574	385	67.1%	51	44	86.3%	1	1	100.0%	2	1	50.0%	628	431	68.6%
05	Akita	334	139	41.6%	43	27	62.8%	0	0	-	4	0	0.0%	381	166	43.6%
06	Yamagata	362	176	48.6%	40	17	42.5%	0	0	-	4	1	25.0%	406	194	47.8%
07	Fukushima	583	361	61.9%	57	53	93.0%	0	0	-	4	1	25.0%	644	415	64.4%
08	Ibaraki	749	559	74.6%	78	77	98.7%	2	2	100.0%	15	10	66.7%	844	648	76.8%
09	Tochigi	516	467	90.5%	44	41	93.2%	0	0	-	0	0	-	560	508	90.7%
10	Gunma	476	422	88.7%	57	53	93.0%	1	0	0.0%	6	3	50.0%	540	478	88.5%
11	Saitama	1,213	1,050	86.6%	142	138	97.2%	0	0	-	33	22	66.7%	1,388	1,210	87.2%
12	Chiba	1,183	554	46.8%	115	47	40.9%	0	0	-	11	2	18.2%	1,309	603	46.1%
13	Tokyo	1,905	1,297	68.1%	147	125	85.0%	3	3	100.0%	44	28	63.6%	2,099	1,453	69.2%
14	Kanagawa	1,209	848	70.1%	57	46	80.7%	1	1	100.0%	18	10	55.6%	1,285	905	70.4%
15	Niigata	716	64	8.9%	77	9	11.7%	7	0	0.0%	10	1	10.0%	810	74	9.1%
16	Toyama	273	180	65.9%	41	26	63.4%	0	0	-	9	3	33.3%	323	209	64.7%
17	Ishikawa	302	157	52.0%	44	25	56.8%	0	0	-	5	3	60.0%	351	185	52.7%
18	Fukui	282	224	79.4%	29	24	82.8%	0	0	-	1	0	0.0%	312	248	79.5%
19	Yamanashi	255	196	76.9%	23	20	87.0%	0	0	-	1	1	100.0%	279	217	77.8%
20	Nagano	547	424	77.5%	64	56	87.5%	0	0	-	7	6	85.7%	618	486	78.6%
21	Gifu	539	451	83.7%	62	55	88.7%	0	0	-	12	5	41.7%	613	511	83.4%
22	Shizuoka	726	687	94.6%	70	69	98.6%	0	0	-	19	18	94.7%	815	774	95.0%
23	Aichi	1,336	1,227	91.8%	122	115	94.3%	0	0	-	16	14	87.5%	1,474	1,356	92.0%
24	Mie	533	440	82.6%	48	46	95.8%	0	0	-	4	3	75.0%	585	489	83.6%
25	Shiga	320	246	76.9%	39	37	94.9%	0	0	-	3	2	66.7%	362	285	78.7%
26	Kyoto	561	424	75.6%	59	49	83.1%	0	0	-	15	10	66.7%	635	483	76.1%
27	Osaka	1,438	955	66.4%	132	107	81.1%	0	0	-	16	4	25.0%	1,586	1,066	67.2%
28	Hyogo	1,102	920	83.5%	126	103	81.7%	0	0	-	14	5	35.7%	1,242	1,028	82.8%
29	Nara	307	265	86.3%	29	28	96.6%	0	0	-	9	8	88.9%	345	301	87.2%
30	Wakayama	355	253	71.3%	39	35	89.7%	0	0	-	3	2	66.7%	397	290	73.0%
31	Tottori	188	121	64.4%	16	15	93.8%	0	0	-	4	2	50.0%	208	138	66.3%
32	Shimane	285	180	63.2%	30	22	73.3%	0	0	-	9	4	44.4%	324	206	63.6%
33	Okayama	553	477	86.3%	60	46	76.7%	1	1	100.0%	10	6	60.0%	624	530	84.9%
34	Hiroshima	708	426	60.2%	64	54	84.4%	0	0	-	7	7	100.0%	779	487	62.5%
35	Yamaguchi	436	380	87.2%	45	43	95.6%	1	1	100.0%	6	6	100.0%	488	430	88.1%
36	Tokushima	298	188	63.1%	33	30	90.9%	0	0	-	6	3	50.0%	337	221	65.6%
37	Kagawa	237	212	89.5%	26	25	96.2%	0	0	-	4	3	75.0%	267	240	89.9%
38	Ehime	431	386	89.6%	47	46	97.9%	3	3	100.0%	3	3	100.0%	484	438	90.5%
39	Kochi	331	237	71.6%	27	22	81.5%	0	0	-	5	4	80.0%	363	263	72.5%
40	Fukuoka	1,033	812	78.6%	71	59	83.1%	1	1	100.0%	16	5	31.3%	1,121	877	78.2%
41	Saga	250	225	90.0%	21	21	100.0%	0	0	-	0	0	-	271	246	90.8%
42	Nagasaki	486	401	82.5%	55	53	96.4%	0	0	-	10	6	60.0%	551	460	83.5%
43	Kumamoto	466	425	91.2%	28	27	96.4%	0	0	-	0	0	-	494	452	91.5%
44	Oita	352	289	82.1%	22	22	100.0%	0	0	-	7	6	85.7%	381	317	83.2%
45	Miyazaki	341	222	65.1%	21	21	100.0%	1	1	100.0%	2	2	100.0%	365	246	67.4%
46	Kagoshima	602	500	83.1%	27	26	96.3%	0	0	-	4	4	100.0%	633	530	83.7%
47	Okinawa	388	306	78.9%	26	25	96.2%	0	0	-	3	2	66.7%	417	333	79.9%
	Total	28,692	19,836	69.1%	2,746	2,104	76.6%	22	14	63.6%	409	229	56.0%	31,869	22,183	69.6%

Number and ratio of schools with toilets in the gymnasium

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)	Number of schools designated as shelters	Number of schools with toilets	Ratio (%)
01	Hokkaido	1,675	1,193	71.2%	201	164	81.6%	0	0	-	23	17	73.9%	1,899	1,374	72.4%
02	Aomori	462	397	85.9%	49	34	69.4%	0	0	-	3	2	66.7%	514	433	84.2%
03	Iwate	474	431	90.9%	42	37	88.1%	0	0	-	2	2	100.0%	518	470	90.7%
04	Miyagi	574	518	90.2%	51	37	72.5%	1	1	100.0%	2	1	50.0%	628	557	88.7%
05	Akita	334	280	83.8%	43	38	88.4%	0	0	-	4	3	75.0%	381	321	84.3%
06	Yamagata	362	332	91.7%	40	36	90.0%	0	0	-	4	4	100.0%	406	372	91.6%
07	Fukushima	583	473	81.1%	57	19	33.3%	0	0	-	4	2	50.0%	644	494	76.7%
08	Ibaraki	749	620	82.8%	78	41	52.6%	2	1	50.0%	15	13	86.7%	844	675	80.0%
09	Tochigi	516	480	93.0%	44	41	93.2%	0	0	-	0	0	-	560	521	93.0%
10	Gunma	476	409	85.9%	57	56	98.2%	1	1	100.0%	6	6	100.0%	540	472	87.4%
11	Saitama	1,213	1,010	83.3%	142	93	65.5%	0	0	-	33	28	84.8%	1,388	1,131	81.5%
12	Chiba	1,183	1,140	96.4%	115	82	71.3%	0	0	-	11	9	81.8%	1,309	1,231	94.0%
13	Tokyo	1,905	1,356	71.2%	147	128	87.1%	3	2	66.7%	44	30	68.2%	2,099	1,516	72.2%
14	Kanagawa	1,209	1,055	87.3%	57	21	36.8%	1	1	100.0%	18	7	38.9%	1,285	1,084	84.4%
15	Niigata	716	691	96.5%	77	73	94.8%	7	7	100.0%	10	9	90.0%	810	780	96.3%
16	Toyama	273	229	83.9%	41	37	90.2%	0	0	-	9	8	88.9%	323	274	84.8%
17	Ishikawa	302	263	87.1%	44	31	70.5%	0	0	-	5	1	20.0%	351	295	84.0%
18	Fukui	282	274	97.2%	29	27	93.1%	0	0	-	1	1	100.0%	312	302	96.8%
19	Yamanashi	255	239	93.7%	23	20	87.0%	0	0	-	1	1	100.0%	279	260	93.2%
20	Nagano	547	477	87.2%	64	13	20.3%	0	0	-	7	6	85.7%	618	496	80.3%
21	Gifu	539	513	95.2%	62	40	64.5%	0	0	-	12	9	75.0%	613	562	91.7%
22	Shizuoka	726	649	89.4%	70	46	65.7%	0	0	-	19	7	36.8%	815	702	86.1%
23	Aichi	1,336	1,220	91.3%	122	118	96.7%	0	0	-	16	13	81.3%	1,474	1,351	91.7%
24	Mie	533	485	91.0%	48	13	27.1%	0	0	-	4	2	50.0%	585	500	85.5%
25	Shiga	320	283	88.4%	39	6	15.4%	0	0	-	3	3	100.0%	362	292	80.7%
26	Kyoto	561	457	81.5%	59	33	55.9%	0	0	-	15	10	66.7%	635	500	78.7%
27	Osaka	1,438	979	68.1%	132	67	50.8%	0	0	-	16	13	81.3%	1,586	1,059	66.8%
28	Hyogo	1,102	745	67.6%	126	89	70.6%	0	0	-	14	10	71.4%	1,242	844	68.0%
29	Nara	307	258	84.0%	29	20	69.0%	0	0	-	9	8	88.9%	345	286	82.9%
30	Wakayama	355	257	72.4%	39	29	74.4%	0	0	-	3	3	100.0%	397	289	72.8%
31	Tottori	188	173	92.0%	16	13	81.3%	0	0	-	4	2	50.0%	208	188	90.4%
32	Shimane	285	251	88.1%	30	26	86.7%	0	0	-	9	7	77.8%	324	284	87.7%
33	Okayama	553	433	78.3%	60	8	13.3%	1	0	0.0%	10	3	30.0%	624	444	71.2%
34	Hiroshima	708	603	85.2%	64	47	73.4%	0	0	-	7	5	71.4%	779	655	84.1%
35	Yamaguchi	436	331	75.9%	45	18	40.0%	1	1	100.0%	6	6	100.0%	488	356	73.0%
36	Tokushima	298	225	75.5%	33	28	84.8%	0	0	-	6	5	83.3%	337	258	76.6%
37	Kagawa	237	176	74.3%	26	19	73.1%	0	0	-	4	3	75.0%	267	198	74.2%
38	Ehime	431	340	78.9%	47	9	19.1%	3	1	33.3%	3	1	33.3%	484	351	72.5%
39	Kochi	331	248	74.9%	27	22	81.5%	0	0	-	5	4	80.0%	363	274	75.5%
40	Fukuoka	1,033	894	86.5%	71	49	69.0%	1	0	0.0%	16	8	50.0%	1,121	951	84.8%
41	Saga	250	184	73.6%	21	16	76.2%	0	0	-	0	0	-	271	200	73.8%
42	Nagasaki	486	371	76.3%	55	34	61.8%	0	0	-	10	6	60.0%	551	411	74.6%
43	Kumamoto	466	380	81.5%	28	17	60.7%	0	0	-	0	0	-	494	397	80.4%
44	Oita	352	319	90.6%	22	9	40.9%	0	0	-	7	6	85.7%	381	334	87.7%
45	Miyazaki	341	286	83.9%	21	21	100.0%	1	1	100.0%	2	2	100.0%	365	310	84.9%
46	Kagoshima	602	407	67.6%	27	24	88.9%	0	0	-	4	4	100.0%	633	435	68.7%
47	Okinawa	388	375	96.6%	26	26	100.0%	0	0	-	3	2	66.7%	417	403	96.6%
Total		28,692	23,709	82.6%	2,746	1,875	68.3%	22	16	72.7%	409	292	71.4%	31,869	25,892	81.2%

Number and ratio of schools with multipurpose toilets in the gymnasium, school buildings, etc.

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with the facilities	Ratio (%)	Number of schools designated as shelters	Number of schools with the facilities	Ratio (%)	Number of schools designated as shelters	Number of schools with the facilities	Ratio (%)	Number of schools designated as shelters	Number of schools with the facilities	Ratio (%)	Number of schools designated as shelters	Number of schools with the facilities	Ratio (%)
01	Hokkaido	1,675	910	54.3%	201	185	92.0%	0	0	-	23	22	95.7%	1,899	1,117	58.8%
02	Aomori	462	147	31.8%	49	18	36.7%	0	0	-	3	3	100.0%	514	168	32.7%
03	Iwate	474	136	28.7%	42	22	52.4%	0	0	-	2	1	50.0%	518	159	30.7%
04	Miyagi	574	363	63.2%	51	38	74.5%	1	1	100.0%	2	2	100.0%	628	404	64.3%
05	Akita	334	126	37.7%	43	27	62.8%	0	0	-	4	3	75.0%	381	156	40.9%
06	Yamagata	362	77	21.3%	40	9	22.5%	0	0	-	4	2	50.0%	406	88	21.7%
07	Fukushima	583	201	34.5%	57	34	59.6%	0	0	-	4	3	75.0%	644	238	37.0%
08	Ibaraki	749	256	34.2%	78	19	24.4%	2	1	50.0%	15	13	86.7%	844	289	34.2%
09	Tochigi	516	180	34.9%	44	24	54.5%	0	0	-	0	0	-	560	204	36.4%
10	Gunma	476	182	38.2%	57	34	59.6%	1	0	0.0%	6	5	83.3%	540	221	40.9%
11	Saitama	1,213	661	54.5%	142	96	67.6%	0	0	-	33	25	75.8%	1,388	782	56.3%
12	Chiba	1,183	531	44.9%	115	75	65.2%	0	0	-	11	9	81.8%	1,309	615	47.0%
13	Tokyo	1,905	1,019	53.5%	147	98	66.7%	3	2	66.7%	44	35	79.5%	2,099	1,154	55.0%
14	Kanagawa	1,209	766	63.4%	57	28	49.1%	1	1	100.0%	18	14	77.8%	1,285	809	63.0%
15	Niigata	716	255	35.6%	77	32	41.6%	7	2	28.6%	10	8	80.0%	810	297	36.7%
16	Toyama	273	138	50.5%	41	37	90.2%	0	0	-	9	9	100.0%	323	184	57.0%
17	Ishikawa	302	152	50.3%	44	20	45.5%	0	0	-	5	3	60.0%	351	175	49.9%
18	Fukui	282	109	38.7%	29	8	27.6%	0	0	-	1	1	100.0%	312	118	37.8%
19	Yamanashi	255	155	60.8%	23	22	95.7%	0	0	-	1	0	0.0%	279	177	63.4%
20	Nagano	547	327	59.8%	64	63	98.4%	0	0	-	7	6	85.7%	618	396	64.1%
21	Gifu	539	290	53.8%	62	35	56.5%	0	0	-	12	11	91.7%	613	336	54.8%
22	Shizuoka	726	303	41.7%	70	55	78.6%	0	0	-	19	17	89.5%	815	375	46.0%
23	Aichi	1,336	543	40.6%	122	66	54.1%	0	0	-	16	10	62.5%	1,474	619	42.0%
24	Mie	533	360	67.5%	48	43	89.6%	0	0	-	4	4	100.0%	585	407	69.6%
25	Shiga	320	229	71.6%	39	29	74.4%	0	0	-	3	3	100.0%	362	261	72.1%
26	Kyoto	561	406	72.4%	59	24	40.7%	0	0	-	15	12	80.0%	635	442	69.6%
27	Osaka	1,438	1,215	84.5%	132	83	62.9%	0	0	-	16	13	81.3%	1,586	1,311	82.7%
28	Hyogo	1,102	942	85.5%	126	62	49.2%	0	0	-	14	12	85.7%	1,242	1,016	81.8%
29	Nara	307	193	62.9%	29	27	93.1%	0	0	-	9	7	77.8%	345	227	65.8%
30	Wakayama	355	258	72.7%	39	36	92.3%	0	0	-	3	3	100.0%	397	297	74.8%
31	Tottori	188	97	51.6%	16	13	81.3%	0	0	-	4	4	100.0%	208	114	54.8%
32	Shimane	285	109	38.2%	30	22	73.3%	0	0	-	9	5	55.6%	324	136	42.0%
33	Okayama	553	229	41.4%	60	21	35.0%	1	1	100.0%	10	5	50.0%	624	256	41.0%
34	Hiroshima	708	563	79.5%	64	63	98.4%	0	0	-	7	7	100.0%	779	633	81.3%
35	Yamaguchi	436	180	41.3%	45	15	33.3%	1	1	100.0%	6	4	66.7%	488	200	41.0%
36	Tokushima	298	93	31.2%	33	28	84.8%	0	0	-	6	4	66.7%	337	125	37.1%
37	Kagawa	237	123	51.9%	26	23	88.5%	0	0	-	4	4	100.0%	267	150	56.2%
38	Ehime	431	183	42.5%	47	21	44.7%	3	2	66.7%	3	2	66.7%	484	208	43.0%
39	Kochi	331	152	45.9%	27	22	81.5%	0	0	-	5	5	100.0%	363	179	49.3%
40	Fukuoka	1,033	744	72.0%	71	40	56.3%	1	1	100.0%	16	9	56.3%	1,121	794	70.8%
41	Saga	250	134	53.6%	21	21	100.0%	0	0	-	0	0	-	271	155	57.2%
42	Nagasaki	486	154	31.7%	55	39	70.9%	0	0	-	10	7	70.0%	551	200	36.3%
43	Kumamoto	466	247	53.0%	28	15	53.6%	0	0	-	0	0	-	494	262	53.0%
44	Oita	352	164	46.6%	22	10	45.5%	0	0	-	7	6	85.7%	381	180	47.2%
45	Miyazaki	341	144	42.2%	21	21	100.0%	1	1	100.0%	2	2	100.0%	365	168	46.0%
46	Kagoshima	602	197	32.7%	27	21	77.8%	0	0	-	4	4	100.0%	633	222	35.1%
47	Okinawa	388	221	57.0%	26	22	84.6%	0	0	-	3	2	66.7%	417	245	58.8%
	Total	28,692	15,164	52.9%	2,746	1,766	64.3%	22	13	59.1%	409	326	79.7%	31,869	17,269	54.2%

Number and ratio of schools with emergency communication equipment

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)
01	Hokkaido	1,675	687	41.0%	201	30	14.9%	0	0	-	23	4	17.4%	1,899	721	38.0%
02	Aomori	462	330	71.4%	49	10	20.4%	0	0	-	3	2	66.7%	514	342	66.5%
03	Iwate	474	122	25.7%	42	0	0.0%	0	0	-	2	0	0.0%	518	122	23.6%
04	Miyagi	574	399	69.5%	51	51	100.0%	1	1	100.0%	2	2	100.0%	628	453	72.1%
05	Akita	334	99	29.6%	43	38	88.4%	0	0	-	4	4	100.0%	381	141	37.0%
06	Yamagata	362	209	57.7%	40	4	10.0%	0	0	-	4	0	0.0%	406	213	52.5%
07	Fukushima	583	177	30.4%	57	11	19.3%	0	0	-	4	0	0.0%	644	188	29.2%
08	Ibaraki	749	428	57.1%	78	41	52.6%	2	0	0.0%	15	8	53.3%	844	477	56.5%
09	Tochigi	516	329	63.8%	44	44	100.0%	0	0	-	0	0	-	560	373	66.6%
10	Gunma	476	204	42.9%	57	25	43.9%	1	0	0.0%	6	2	33.3%	540	231	42.8%
11	Saitama	1,213	764	63.0%	142	27	19.0%	0	0	-	33	4	12.1%	1,388	795	57.3%
12	Chiba	1,183	1,023	86.5%	115	5	4.3%	0	0	-	11	5	45.5%	1,309	1,033	78.9%
13	Tokyo	1,905	1,884	98.9%	147	107	72.8%	3	2	66.7%	44	29	65.9%	2,099	2,022	96.3%
14	Kanagawa	1,209	1,199	99.2%	57	56	98.2%	1	1	100.0%	18	18	100.0%	1,285	1,274	99.1%
15	Niigata	716	395	55.2%	77	10	13.0%	7	1	14.3%	10	1	10.0%	810	407	50.2%
16	Toyama	273	87	31.9%	41	4	9.8%	0	0	-	9	0	0.0%	323	91	28.2%
17	Ishikawa	302	115	38.1%	44	7	15.9%	0	0	-	5	0	0.0%	351	122	34.8%
18	Fukui	282	115	40.8%	29	5	17.2%	0	0	-	1	0	0.0%	312	120	38.5%
19	Yamanashi	255	140	54.9%	23	17	73.9%	0	0	-	1	0	0.0%	279	157	56.3%
20	Nagano	547	321	58.7%	64	29	45.3%	0	0	-	7	2	28.6%	618	352	57.0%
21	Gifu	539	275	51.0%	62	4	6.5%	0	0	-	12	1	8.3%	613	280	45.7%
22	Shizuoka	726	672	92.6%	70	70	100.0%	0	0	-	19	19	100.0%	815	761	93.4%
23	Aichi	1,336	1,138	85.2%	122	74	60.7%	0	0	-	16	6	37.5%	1,474	1,218	82.6%
24	Mie	533	371	69.6%	48	45	93.8%	0	0	-	4	4	100.0%	585	420	71.8%
25	Shiga	320	105	32.8%	39	5	12.8%	0	0	-	3	0	0.0%	362	110	30.4%
26	Kyoto	561	426	75.9%	59	36	61.0%	0	0	-	15	12	80.0%	635	474	74.6%
27	Osaka	1,438	857	59.6%	132	54	40.9%	0	0	-	16	5	31.3%	1,586	916	57.8%
28	Hyogo	1,102	534	48.5%	126	61	48.4%	0	0	-	14	3	21.4%	1,242	598	48.1%
29	Nara	307	108	35.2%	29	4	13.8%	0	0	-	9	0	0.0%	345	112	32.5%
30	Wakayama	355	174	49.0%	39	19	48.7%	0	0	-	3	1	33.3%	397	194	48.9%
31	Tottori	188	113	60.1%	16	16	100.0%	0	0	-	4	4	100.0%	208	133	63.9%
32	Shimane	285	85	29.8%	30	1	3.3%	0	0	-	9	0	0.0%	324	86	26.5%
33	Okayama	553	171	30.9%	60	0	0.0%	1	0	0.0%	10	0	0.0%	624	171	27.4%
34	Hiroshima	708	455	64.3%	64	15	23.4%	0	0	-	7	2	28.6%	779	472	60.6%
35	Yamaguchi	436	225	51.6%	45	44	97.8%	1	1	100.0%	6	5	83.3%	488	275	56.4%
36	Tokushima	298	69	23.2%	33	17	51.5%	0	0	-	6	2	33.3%	337	88	26.1%
37	Kagawa	237	179	75.5%	26	26	100.0%	0	0	-	4	4	100.0%	267	209	78.3%
38	Ehime	431	124	28.8%	47	14	29.8%	3	1	33.3%	3	2	66.7%	484	141	29.1%
39	Kochi	331	175	52.9%	27	17	63.0%	0	0	-	5	3	60.0%	363	195	53.7%
40	Fukuoka	1,033	386	37.4%	71	13	18.3%	1	0	0.0%	16	3	18.8%	1,121	402	35.9%
41	Saga	250	104	41.6%	21	5	23.8%	0	0	-	0	0	-	271	109	40.2%
42	Nagasaki	486	73	15.0%	55	0	0.0%	0	0	-	10	0	0.0%	551	73	13.2%
43	Kumamoto	466	61	13.1%	28	2	7.1%	0	0	-	0	0	-	494	63	12.8%
44	Oita	352	162	46.0%	22	4	18.2%	0	0	-	7	1	14.3%	381	167	43.8%
45	Miyazaki	341	140	41.1%	21	0	0.0%	1	0	0.0%	2	0	0.0%	365	140	38.4%
46	Kagoshima	602	214	35.5%	27	4	14.8%	0	0	-	4	0	0.0%	633	218	34.4%
47	Okinawa	388	90	23.2%	26	21	80.8%	0	0	-	3	2	66.7%	417	113	27.1%
	Total	28,692	16,513	57.6%	2,746	1,092	39.8%	22	7	31.8%	409	160	39.1%	31,869	17,772	55.8%

Number and ratio of schools with non-utility power generator

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)
01	Hokkaido	1,675	393	23.5%	201	141	70.1%	0	0	-	23	15	65.2%	1,899	549	28.9%
02	Aomori	462	379	82.0%	49	48	98.0%	0	0	-	3	3	100.0%	514	430	83.7%
03	Iwate	474	249	52.5%	42	41	97.6%	0	0	-	2	2	100.0%	518	292	56.4%
04	Miyagi	574	436	76.0%	51	51	100.0%	1	1	100.0%	2	2	100.0%	628	490	78.0%
05	Akita	334	203	60.8%	43	27	62.8%	0	0	-	4	4	100.0%	381	234	61.4%
06	Yamagata	362	207	57.2%	40	11	27.5%	0	0	-	4	4	100.0%	406	222	54.7%
07	Fukushima	583	61	10.5%	57	5	8.8%	0	0	-	4	2	50.0%	644	68	10.6%
08	Ibaraki	749	284	37.9%	78	78	100.0%	2	2	100.0%	15	14	93.3%	844	378	44.8%
09	Tochigi	516	159	30.8%	44	18	40.9%	0	0	-	0	0	-	560	177	31.6%
10	Gunma	476	70	14.7%	57	15	26.3%	1	0	0.0%	6	4	66.7%	540	89	16.5%
11	Saitama	1,213	649	53.5%	142	54	38.0%	0	0	-	33	31	93.9%	1,388	734	52.9%
12	Chiba	1,183	743	62.8%	115	7	6.1%	0	0	-	11	11	100.0%	1,309	761	58.1%
13	Tokyo	1,905	1,482	77.8%	147	147	100.0%	3	3	100.0%	44	44	100.0%	2,099	1,676	79.8%
14	Kanagawa	1,209	1,018	84.2%	57	43	75.4%	1	1	100.0%	18	15	83.3%	1,285	1,077	83.8%
15	Niigata	716	355	49.6%	77	10	13.0%	7	1	14.3%	10	5	50.0%	810	371	45.8%
16	Toyama	273	155	56.8%	41	2	4.9%	0	0	-	9	8	88.9%	323	165	51.1%
17	Ishikawa	302	35	11.6%	44	7	15.9%	0	0	-	5	5	100.0%	351	47	13.4%
18	Fukui	282	20	7.1%	29	2	6.9%	0	0	-	1	0	0.0%	312	22	7.1%
19	Yamanashi	255	141	55.3%	23	11	47.8%	0	0	-	1	1	100.0%	279	153	54.8%
20	Nagano	547	257	47.0%	64	1	1.6%	0	0	-	7	4	57.1%	618	262	42.4%
21	Gifu	539	189	35.1%	62	56	90.3%	0	0	-	12	11	91.7%	613	256	41.8%
22	Shizuoka	726	560	77.1%	70	70	100.0%	0	0	-	19	19	100.0%	815	649	79.6%
23	Aichi	1,336	760	56.9%	122	21	17.2%	0	0	-	16	9	56.3%	1,474	790	53.6%
24	Mie	533	377	70.7%	48	48	100.0%	0	0	-	4	4	100.0%	585	429	73.3%
25	Shiga	320	59	18.4%	39	8	20.5%	0	0	-	3	2	66.7%	362	69	19.1%
26	Kyoto	561	93	16.6%	59	12	20.3%	0	0	-	15	12	80.0%	635	117	18.4%
27	Osaka	1,438	472	32.8%	132	5	3.8%	0	0	-	16	8	50.0%	1,586	485	30.6%
28	Hyogo	1,102	275	25.0%	126	36	28.6%	0	0	-	14	6	42.9%	1,242	317	25.5%
29	Nara	307	74	24.1%	29	1	3.4%	0	0	-	9	9	100.0%	345	84	24.3%
30	Wakayama	355	203	57.2%	39	18	46.2%	0	0	-	3	3	100.0%	397	224	56.4%
31	Tottori	188	11	5.9%	16	2	12.5%	0	0	-	4	3	75.0%	208	16	7.7%
32	Shimane	285	6	2.1%	30	1	3.3%	0	0	-	9	2	22.2%	324	9	2.8%
33	Okayama	553	57	10.3%	60	1	1.7%	1	0	0.0%	10	9	90.0%	624	67	10.7%
34	Hiroshima	708	234	33.1%	64	4	6.3%	0	0	-	7	3	42.9%	779	241	30.9%
35	Yamaguchi	436	25	5.7%	45	5	11.1%	1	0	0.0%	6	5	83.3%	488	35	7.2%
36	Tokushima	298	122	40.9%	33	12	36.4%	0	0	-	6	6	100.0%	337	140	41.5%
37	Kagawa	237	18	7.6%	26	25	96.2%	0	0	-	4	4	100.0%	267	47	17.6%
38	Ehime	431	110	25.5%	47	0	0.0%	3	0	0.0%	3	0	0.0%	484	110	22.7%
39	Kochi	331	108	32.6%	27	27	100.0%	0	0	-	5	5	100.0%	363	140	38.6%
40	Fukuoka	1,033	77	7.5%	71	7	9.9%	1	0	0.0%	16	12	75.0%	1,121	96	8.6%
41	Saga	250	15	6.0%	21	17	81.0%	0	0	-	0	0	-	271	32	11.8%
42	Nagasaki	486	40	8.2%	55	15	27.3%	0	0	-	10	6	60.0%	551	61	11.1%
43	Kumamoto	466	36	7.7%	28	1	3.6%	0	0	-	0	0	-	494	37	7.5%
44	Oita	352	20	5.7%	22	3	13.6%	0	0	-	7	6	85.7%	381	29	7.6%
45	Miyazaki	341	81	23.8%	21	1	4.8%	1	0	0.0%	2	1	50.0%	365	83	22.7%
46	Kagoshima	602	33	5.5%	27	0	0.0%	0	0	-	4	4	100.0%	633	37	5.8%
47	Okinawa	388	19	4.9%	26	5	19.2%	0	0	-	3	2	66.7%	417	26	6.2%
Total		28,692	11,370	39.6%	2,746	1,120	40.8%	22	8	36.4%	409	325	79.5%	31,869	12,823	40.2%

Number and ratio of schools with a water tank and/or a water purification system for the swimming pool, etc.

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)	Number of schools designated as shelters	Number of schools with the equipment	Ratio (%)
01	Hokkaido	1,675	632	37.7%	201	18	9.0%	0	0	-	23	4	17.4%	1,899	654	34.4%
02	Aomori	462	197	42.6%	49	25	51.0%	0	0	-	3	0	0.0%	514	222	43.2%
03	Iwate	474	43	9.1%	42	12	28.6%	0	0	-	2	0	0.0%	518	55	10.6%
04	Miyagi	574	181	31.5%	51	21	41.2%	1	0	0.0%	2	1	50.0%	628	203	32.3%
05	Akita	334	31	9.3%	43	15	34.9%	0	0	-	4	0	0.0%	381	46	12.1%
06	Yamagata	362	21	5.8%	40	5	12.5%	0	0	-	4	1	25.0%	406	27	6.7%
07	Fukushima	583	183	31.4%	57	15	26.3%	0	0	-	4	1	25.0%	644	199	30.9%
08	Ibaraki	749	152	20.3%	78	34	43.6%	2	1	50.0%	15	5	33.3%	844	192	22.7%
09	Tochigi	516	259	50.2%	44	19	43.2%	0	0	-	0	0	-	560	278	49.6%
10	Gunma	476	113	23.7%	57	14	24.6%	1	0	0.0%	6	1	16.7%	540	128	23.7%
11	Saitama	1,213	374	30.8%	142	64	45.1%	0	0	-	33	8	24.2%	1,388	446	32.1%
12	Chiba	1,183	655	55.4%	115	111	96.5%	0	0	-	11	9	81.8%	1,309	775	59.2%
13	Tokyo	1,905	1,416	74.3%	147	119	81.0%	3	3	100.0%	44	38	86.4%	2,099	1,576	75.1%
14	Kanagawa	1,209	661	54.7%	57	35	61.4%	1	1	100.0%	18	7	38.9%	1,285	704	54.8%
15	Niigata	716	350	48.9%	77	13	16.9%	7	1	14.3%	10	1	10.0%	810	365	45.1%
16	Toyama	273	71	26.0%	41	20	48.8%	0	0	-	9	2	22.2%	323	93	28.8%
17	Ishikawa	302	119	39.4%	44	6	13.6%	0	0	-	5	1	20.0%	351	126	35.9%
18	Fukui	282	99	35.1%	29	1	3.4%	0	0	-	1	0	0.0%	312	100	32.1%
19	Yamanashi	255	101	39.6%	23	1	4.3%	0	0	-	1	0	0.0%	279	102	36.6%
20	Nagano	547	85	15.5%	64	0	0.0%	0	0	-	7	2	28.6%	618	87	14.1%
21	Gifu	539	181	33.6%	62	29	46.8%	0	0	-	12	7	58.3%	613	217	35.4%
22	Shizuoka	726	611	84.2%	70	45	64.3%	0	0	-	19	10	52.6%	815	666	81.7%
23	Aichi	1,336	722	54.0%	122	49	40.2%	0	0	-	16	1	6.3%	1,474	772	52.4%
24	Mie	533	179	33.6%	48	3	6.3%	0	0	-	4	2	50.0%	585	184	31.5%
25	Shiga	320	89	27.8%	39	5	12.8%	0	0	-	3	0	0.0%	362	94	26.0%
26	Kyoto	561	334	59.5%	59	19	32.2%	0	0	-	15	7	46.7%	635	360	56.7%
27	Osaka	1,438	194	13.5%	132	22	16.7%	0	0	-	16	3	18.8%	1,586	219	13.8%
28	Hyogo	1,102	235	21.3%	126	35	27.8%	0	0	-	14	2	14.3%	1,242	272	21.9%
29	Nara	307	85	27.7%	29	7	24.1%	0	0	-	9	3	33.3%	345	95	27.5%
30	Wakayama	355	156	43.9%	39	18	46.2%	0	0	-	3	2	66.7%	397	176	44.3%
31	Tottori	188	38	20.2%	16	4	25.0%	0	0	-	4	0	0.0%	208	42	20.2%
32	Shimane	285	79	27.7%	30	2	6.7%	0	0	-	9	0	0.0%	324	81	25.0%
33	Okayama	553	211	38.2%	60	1	1.7%	1	0	0.0%	10	0	0.0%	624	212	34.0%
34	Hiroshima	708	203	28.7%	64	13	20.3%	0	0	-	7	2	28.6%	779	218	28.0%
35	Yamaguchi	436	118	27.1%	45	35	77.8%	1	1	100.0%	6	1	16.7%	488	155	31.8%
36	Tokushima	298	68	22.8%	33	23	69.7%	0	0	-	6	4	66.7%	337	95	28.2%
37	Kagawa	237	37	15.6%	26	24	92.3%	0	0	-	4	0	0.0%	267	61	22.8%
38	Ehime	431	97	22.5%	47	7	14.9%	3	0	0.0%	3	1	33.3%	484	105	21.7%
39	Kochi	331	80	24.2%	27	17	63.0%	0	0	-	5	4	80.0%	363	101	27.8%
40	Fukuoka	1,033	168	16.3%	71	19	26.8%	1	0	0.0%	16	3	18.8%	1,121	190	16.9%
41	Saga	250	99	39.6%	21	5	23.8%	0	0	-	0	0	-	271	104	38.4%
42	Nagasaki	486	152	31.3%	55	22	40.0%	0	0	-	10	2	20.0%	551	176	31.9%
43	Kumamoto	466	129	27.7%	28	13	46.4%	0	0	-	0	0	-	494	142	28.7%
44	Oita	352	150	42.6%	22	6	27.3%	0	0	-	7	3	42.9%	381	159	41.7%
45	Miyazaki	341	110	32.3%	21	17	81.0%	1	1	100.0%	2	0	0.0%	365	128	35.1%
46	Kagoshima	602	27	4.5%	27	1	3.7%	0	0	0.0%	4	0	0.0%	633	28	4.4%
47	Okinawa	388	95	24.5%	26	26	100.0%	0	0	0.0%	3	2	66.7%	417	123	29.5%
	Total	28,692	10,390	36.2%	2,746	1,015	37.0%	22	8	36.4%	409	140	34.2%	31,869	11,553	36.3%

Number and ratio of schools with space for people needing assistance

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)
01	Hokkaido	1,675	811	48.4%	201	184	91.5%	0	0	-	23	22	95.7%	1,899	1,017	53.6%
02	Aomori	462	318	68.8%	49	32	65.3%	0	0	-	3	1	33.3%	514	351	68.3%
03	Iwate	474	171	36.1%	42	7	16.7%	0	0	-	2	1	50.0%	518	179	34.6%
04	Miyagi	574	384	66.9%	51	29	56.9%	1	1	100.0%	2	0	0.0%	628	414	65.9%
05	Akita	334	87	26.0%	43	23	53.5%	0	0	-	4	1	25.0%	381	111	29.1%
06	Yamagata	362	99	27.3%	40	8	20.0%	0	0	-	4	1	25.0%	406	108	26.6%
07	Fukushima	583	203	34.8%	57	34	59.6%	0	0	-	4	4	100.0%	644	241	37.4%
08	Ibaraki	749	176	23.5%	78	59	75.6%	2	0	0.0%	15	13	86.7%	844	248	29.4%
09	Tochigi	516	151	29.3%	44	11	25.0%	0	0	-	0	0	-	560	162	28.9%
10	Gunma	476	225	47.3%	57	33	57.9%	1	1	100.0%	6	3	50.0%	540	262	48.5%
11	Saitama	1,213	548	45.2%	142	65	45.8%	0	0	-	33	15	45.5%	1,388	628	45.2%
12	Chiba	1,183	370	31.3%	115	109	94.8%	0	0	-	11	7	63.6%	1,309	486	37.1%
13	Tokyo	1,905	1,090	57.2%	147	67	45.6%	3	2	66.7%	44	24	54.5%	2,099	1,183	56.4%
14	Kanagawa	1,209	987	81.6%	57	14	24.6%	1	0	0.0%	18	6	33.3%	1,285	1,007	78.4%
15	Niigata	716	476	66.5%	77	38	49.4%	7	2	28.6%	10	3	30.0%	810	519	64.1%
16	Toyama	273	98	35.9%	41	41	100.0%	0	0	-	9	5	55.6%	323	144	44.6%
17	Ishikawa	302	166	55.0%	44	14	31.8%	0	0	-	5	2	40.0%	351	182	51.9%
18	Fukui	282	52	18.4%	29	13	44.8%	0	0	-	1	1	100.0%	312	66	21.2%
19	Yamanashi	255	97	38.0%	23	23	100.0%	0	0	-	1	0	0.0%	279	120	43.0%
20	Nagano	547	280	51.2%	64	27	42.2%	0	0	-	7	5	71.4%	618	312	50.5%
21	Gifu	539	175	32.5%	62	23	37.1%	0	0	-	12	6	50.0%	613	204	33.3%
22	Shizuoka	726	392	54.0%	70	25	35.7%	0	0	-	19	9	47.4%	815	426	52.3%
23	Aichi	1,336	586	43.9%	122	43	35.2%	0	0	-	16	4	25.0%	1,474	633	42.9%
24	Mie	533	175	32.8%	48	16	33.3%	0	0	-	4	2	50.0%	585	193	33.0%
25	Shiga	320	157	49.1%	39	9	23.1%	0	0	-	3	0	0.0%	362	166	45.9%
26	Kyoto	561	365	65.1%	59	16	27.1%	0	0	-	15	8	53.3%	635	389	61.3%
27	Osaka	1,438	814	56.6%	132	52	39.4%	0	0	-	16	11	68.8%	1,586	877	55.3%
28	Hyogo	1,102	366	33.2%	126	37	29.4%	0	0	-	14	4	28.6%	1,242	407	32.8%
29	Nara	307	81	26.4%	29	15	51.7%	0	0	-	9	3	33.3%	345	99	28.7%
30	Wakayama	355	174	49.0%	39	29	74.4%	0	0	-	3	3	100.0%	397	206	51.9%
31	Tottori	188	125	66.5%	16	9	56.3%	0	0	-	4	2	50.0%	208	136	65.4%
32	Shimane	285	67	23.5%	30	17	56.7%	0	0	-	9	4	44.4%	324	88	27.2%
33	Okayama	553	185	33.5%	60	4	6.7%	1	0	0.0%	10	1	10.0%	624	190	30.4%
34	Hiroshima	708	660	93.2%	64	58	90.6%	0	0	-	7	6	85.7%	779	724	92.9%
35	Yamaguchi	436	290	66.5%	45	36	80.0%	1	1	100.0%	6	4	66.7%	488	331	67.8%
36	Tokushima	298	14	4.7%	33	9	27.3%	0	0	-	6	1	16.7%	337	24	7.1%
37	Kagawa	237	162	68.4%	26	25	96.2%	0	0	-	4	0	0.0%	267	187	70.0%
38	Ehime	431	243	56.4%	47	20	42.6%	3	1	33.3%	3	1	33.3%	484	265	54.8%
39	Kochi	331	143	43.2%	27	27	100.0%	0	0	-	5	5	100.0%	363	175	48.2%
40	Fukuoka	1,033	422	40.9%	71	35	49.3%	1	0	0.0%	16	2	12.5%	1,121	459	40.9%
41	Saga	250	193	77.2%	21	11	52.4%	0	0	-	0	0	-	271	204	75.3%
42	Nagasaki	486	118	24.3%	55	35	63.6%	0	0	-	10	7	70.0%	551	160	29.0%
43	Kumamoto	466	78	16.7%	28	5	17.9%	0	0	-	0	0	-	494	83	16.8%
44	Oita	352	81	23.0%	22	6	27.3%	0	0	-	7	2	28.6%	381	89	23.4%
45	Miyazaki	341	66	19.4%	21	21	100.0%	1	1	100.0%	2	2	100.0%	365	90	24.7%
46	Kagoshima	602	154	25.6%	27	22	81.5%	0	0	0.0%	4	4	100.0%	633	180	28.4%
47	Okinawa	388	268	69.1%	26	12	46.2%	0	0	0.0%	3	3	100.0%	417	283	67.9%
Total		28,692	13,343	46.5%	2,746	1,448	52.7%	22	9	40.9%	409	208	50.9%	31,869	15,008	47.1%

Number and ratio of schools with space with consideration for privacy

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)	Number of schools designated as shelters	Number of schools with space	Ratio (%)
01	Hokkaido	1,675	745	44.5%	201	184	91.5%	0	0	-	23	22	95.7%	1,899	951	50.1%
02	Aomori	462	243	52.6%	49	35	71.4%	0	0	-	3	1	33.3%	514	279	54.3%
03	Iwate	474	155	32.7%	42	7	16.7%	0	0	-	2	1	50.0%	518	163	31.5%
04	Miyagi	574	335	58.4%	51	19	37.3%	1	1	100.0%	2	0	0.0%	628	355	56.5%
05	Akita	334	55	16.5%	43	22	51.2%	0	0	-	4	1	25.0%	381	78	20.5%
06	Yamagata	362	99	27.3%	40	7	17.5%	0	0	-	4	1	25.0%	406	107	26.4%
07	Fukushima	583	199	34.1%	57	28	49.1%	0	0	-	4	3	75.0%	644	230	35.7%
08	Ibaraki	749	176	23.5%	78	43	55.1%	2	0	0.0%	15	8	53.3%	844	227	26.9%
09	Tochigi	516	159	30.8%	44	6	13.6%	0	0	-	0	0	-	560	165	29.5%
10	Gunma	476	228	47.9%	57	30	52.6%	1	1	100.0%	6	3	50.0%	540	262	48.5%
11	Saitama	1,213	429	35.4%	142	69	48.6%	0	0	-	33	12	36.4%	1,388	510	36.7%
12	Chiba	1,183	572	48.4%	115	112	97.4%	0	0	-	11	10	90.9%	1,309	694	53.0%
13	Tokyo	1,905	1,236	64.9%	147	33	22.4%	3	0	0.0%	44	16	36.4%	2,099	1,285	61.2%
14	Kanagawa	1,209	928	76.8%	57	12	21.1%	1	0	0.0%	18	4	22.2%	1,285	944	73.5%
15	Niigata	716	250	34.9%	77	27	35.1%	7	1	14.3%	10	2	20.0%	810	280	34.6%
16	Toyama	273	88	32.2%	41	39	95.1%	0	0	-	9	5	55.6%	323	132	40.9%
17	Ishikawa	302	166	55.0%	44	9	20.5%	0	0	-	5	1	20.0%	351	176	50.1%
18	Fukui	282	52	18.4%	29	5	17.2%	0	0	-	1	0	0.0%	312	57	18.3%
19	Yamanashi	255	102	40.0%	23	23	100.0%	0	0	-	1	0	0.0%	279	125	44.8%
20	Nagano	547	273	49.9%	64	19	29.7%	0	0	-	7	4	57.1%	618	296	47.9%
21	Gifu	539	222	41.2%	62	16	25.8%	0	0	-	12	4	33.3%	613	242	39.5%
22	Shizuoka	726	346	47.7%	70	18	25.7%	0	0	-	19	6	31.6%	815	370	45.4%
23	Aichi	1,336	889	66.5%	122	43	35.2%	0	0	-	16	4	25.0%	1,474	936	63.5%
24	Mie	533	162	30.4%	48	13	27.1%	0	0	-	4	2	50.0%	585	177	30.3%
25	Shiga	320	110	34.4%	39	9	23.1%	0	0	-	3	0	0.0%	362	119	32.9%
26	Kyoto	561	341	60.8%	59	17	28.8%	0	0	-	15	8	53.3%	635	366	57.6%
27	Osaka	1,438	783	54.5%	132	43	32.6%	0	0	-	16	10	62.5%	1,586	836	52.7%
28	Hyogo	1,102	350	31.8%	126	28	22.2%	0	0	-	14	2	14.3%	1,242	380	30.6%
29	Nara	307	71	23.1%	29	14	48.3%	0	0	-	9	1	11.1%	345	86	24.9%
30	Wakayama	355	126	35.5%	39	29	74.4%	0	0	-	3	3	100.0%	397	158	39.8%
31	Tottori	188	132	70.2%	16	7	43.8%	0	0	-	4	2	50.0%	208	141	67.8%
32	Shimane	285	63	22.1%	30	17	56.7%	0	0	-	9	2	22.2%	324	82	25.3%
33	Okayama	553	195	35.3%	60	2	3.3%	1	0	0.0%	10	1	10.0%	624	198	31.7%
34	Hiroshima	708	649	91.7%	64	58	90.6%	0	0	-	7	6	85.7%	779	713	91.5%
35	Yamaguchi	436	295	67.7%	45	44	97.8%	1	1	100.0%	6	6	100.0%	488	346	70.9%
36	Tokushima	298	16	5.4%	33	8	24.2%	0	0	-	6	1	16.7%	337	25	7.4%
37	Kagawa	237	134	56.5%	26	25	96.2%	0	0	-	4	1	25.0%	267	160	59.9%
38	Ehime	431	209	48.5%	47	17	36.2%	3	1	33.3%	3	1	33.3%	484	228	47.1%
39	Kochi	331	124	37.5%	27	27	100.0%	0	0	-	5	5	100.0%	363	156	43.0%
40	Fukuoka	1,033	472	45.7%	71	26	36.6%	1	0	0.0%	16	2	12.5%	1,121	500	44.6%
41	Saga	250	180	72.0%	21	7	33.3%	0	0	-	0	0	-	271	187	69.0%
42	Nagasaki	486	115	23.7%	55	28	50.9%	0	0	-	10	7	70.0%	551	150	27.2%
43	Kumamoto	466	72	15.5%	28	6	21.4%	0	0	-	0	0	-	494	78	15.8%
44	Oita	352	95	27.0%	22	7	31.8%	0	0	-	7	1	14.3%	381	103	27.0%
45	Miyazaki	341	87	25.5%	21	21	100.0%	1	1	100.0%	2	2	100.0%	365	111	30.4%
46	Kagoshima	602	135	22.4%	27	22	81.5%	0	0	0.0%	4	4	100.0%	633	161	25.4%
47	Okinawa	388	322	83.0%	26	10	38.5%	0	0	0.0%	3	3	100.0%	417	335	80.3%
	Total	28,692	13,185	46.0%	2,746	1,291	47.0%	22	6	27.3%	409	178	43.5%	31,869	14,660	46.0%

Number and ratio of schools with wheelchair ramps in the gymnasium, school buildings, etc.

		Elementary and lower secondary schools			Upper secondary schools			Secondary education schools			Schools for Special Needs Education			Total		
		Number of schools designated as shelters	Number of schools with wheelchair ramps	Ratio (%)	Number of schools designated as shelters	Number of schools with wheelchair ramps	Ratio (%)	Number of schools designated as shelters	Number of schools with wheelchair ramps	Ratio (%)	Number of schools designated as shelters	Number of schools with wheelchair ramps	Ratio (%)	Number of schools designated as shelters	Number of schools with wheelchair ramps	Ratio (%)
01	Hokkaido	1,675	1,080	64.5%	201	181	90.0%	0	0	-	23	21	91.3%	1,899	1,282	67.5%
02	Aomori	462	184	39.8%	49	20	40.8%	0	0	-	3	1	33.3%	514	205	39.9%
03	Iwate	474	171	36.1%	42	27	64.3%	0	0	-	2	2	100.0%	518	200	38.6%
04	Miyagi	574	366	63.8%	51	39	76.5%	1	1	100.0%	2	2	100.0%	628	408	65.0%
05	Akita	334	155	46.4%	43	32	74.4%	0	0	-	4	3	75.0%	381	190	49.9%
06	Yamagata	362	158	43.6%	40	11	27.5%	0	0	-	4	3	75.0%	406	172	42.4%
07	Fukushima	583	224	38.4%	57	38	66.7%	0	0	-	4	4	100.0%	644	266	41.3%
08	Ibaraki	749	312	41.7%	78	27	34.6%	2	1	50.0%	15	14	93.3%	844	354	41.9%
09	Tochigi	516	285	55.2%	44	14	31.8%	0	0	-	0	0	-	560	299	53.4%
10	Gunma	476	226	47.5%	57	26	45.6%	1	0	0.0%	6	3	50.0%	540	255	47.2%
11	Saitama	1,213	867	71.5%	142	105	73.9%	0	0	-	33	28	84.8%	1,388	1,000	72.0%
12	Chiba	1,183	728	61.5%	115	112	97.4%	0	0	-	11	10	90.9%	1,309	850	64.9%
13	Tokyo	1,905	1,147	60.2%	147	87	59.2%	3	2	66.7%	44	31	70.5%	2,099	1,267	60.4%
14	Kanagawa	1,209	797	65.9%	57	24	42.1%	1	1	100.0%	18	13	72.2%	1,285	835	65.0%
15	Niigata	716	505	70.5%	77	34	44.2%	7	2	28.6%	10	9	90.0%	810	550	67.9%
16	Toyama	273	162	59.3%	41	37	90.2%	0	0	-	9	8	88.9%	323	207	64.1%
17	Ishikawa	302	234	77.5%	44	23	52.3%	0	0	-	5	5	100.0%	351	262	74.6%
18	Fukui	282	187	66.3%	29	9	31.0%	0	0	-	1	1	100.0%	312	197	63.1%
19	Yamanashi	255	183	71.8%	23	22	95.7%	0	0	-	1	0	0.0%	279	205	73.5%
20	Nagano	547	329	60.1%	64	62	96.9%	0	0	-	7	6	85.7%	618	397	64.2%
21	Gifu	539	338	62.7%	62	20	32.3%	0	0	-	12	10	83.3%	613	368	60.0%
22	Shizuoka	726	377	51.9%	70	68	97.1%	0	0	-	19	17	89.5%	815	462	56.7%
23	Aichi	1,336	832	62.3%	122	105	86.1%	0	0	-	16	14	87.5%	1,474	951	64.5%
24	Mie	533	436	81.8%	48	47	97.9%	0	0	-	4	4	100.0%	585	487	83.2%
25	Shiga	320	295	92.2%	39	29	74.4%	0	0	-	3	3	100.0%	362	327	90.3%
26	Kyoto	561	448	79.9%	59	42	71.2%	0	0	-	15	15	100.0%	635	505	79.5%
27	Osaka	1,438	1,343	93.4%	132	75	56.8%	0	0	-	16	13	81.3%	1,586	1,431	90.2%
28	Hyogo	1,102	751	68.1%	126	83	65.9%	0	0	-	14	12	85.7%	1,242	846	68.1%
29	Nara	307	221	72.0%	29	25	86.2%	0	0	-	9	9	100.0%	345	255	73.9%
30	Wakayama	355	306	86.2%	39	36	92.3%	0	0	-	3	3	100.0%	397	345	86.9%
31	Tottori	188	130	69.1%	16	12	75.0%	0	0	-	4	4	100.0%	208	146	70.2%
32	Shimane	285	141	49.5%	30	21	70.0%	0	0	-	9	6	66.7%	324	168	51.9%
33	Okayama	553	391	70.7%	60	46	76.7%	1	1	100.0%	10	10	100.0%	624	448	71.8%
34	Hiroshima	708	668	94.4%	64	64	100.0%	0	0	-	7	7	100.0%	779	739	94.9%
35	Yamaguchi	436	253	58.0%	45	35	77.8%	1	1	100.0%	6	5	83.3%	488	294	60.2%
36	Tokushima	298	174	58.4%	33	32	97.0%	0	0	-	6	6	100.0%	337	212	62.9%
37	Kagawa	237	156	65.8%	26	23	88.5%	0	0	-	4	4	100.0%	267	183	68.5%
38	Ehime	431	275	63.8%	47	30	63.8%	3	1	33.3%	3	1	33.3%	484	307	63.4%
39	Kochi	331	182	55.0%	27	24	88.9%	0	0	-	5	5	100.0%	363	211	58.1%
40	Fukuoka	1,033	896	86.7%	71	34	47.9%	1	1	100.0%	16	13	81.3%	1,121	944	84.2%
41	Saga	250	168	67.2%	21	21	100.0%	0	0	-	0	0	-	271	189	69.7%
42	Nagasaki	486	193	39.7%	55	40	72.7%	0	0	-	10	8	80.0%	551	241	43.7%
43	Kumamoto	466	356	76.4%	28	16	57.1%	0	0	-	0	0	-	494	372	75.3%
44	Oita	352	232	65.9%	22	14	63.6%	0	0	-	7	6	85.7%	381	252	66.1%
45	Miyazaki	341	220	64.5%	21	21	100.0%	1	1	100.0%	2	2	100.0%	365	244	66.8%
46	Kagoshima	602	405	67.3%	27	26	96.3%	0	0	-	4	4	100.0%	633	435	68.7%
47	Okinawa	388	237	61.1%	26	24	92.3%	0	0	-	3	1	33.3%	417	262	62.8%
	Total	28,692	18,724	65.3%	2,746	1,943	70.8%	22	12	54.5%	409	346	84.6%	31,869	21,025	66.0%