Appendix 3 Calculation of the weights for the imputed rent

(1) Imputed rent used for the weight

   The imputed rent estimated in the National Survey of Family Income and Expenditure (NSFIE), which is conducted every five years (one year before the base period, 2014 NSFIE for the 2015-base) is used.[46]  The correspondence of surveyed municipalities between the Family Income and Expenditure Survey (FIES) and NSFIE is as follows.

   a) Released figures of corresponding cities are used for cities with prefectural governments and middle and major cities in the city group classification.

   b) As for municipalities other than those in a), considering the sample size, figures of the municipality groups within prefectures[47]  to which the municipalities belong are used.

(2) Deduction of rents for land and costs of repairs and maintenance conceptually paid by landlords

   The imputed rent in the NSFIE conceptually includes rents for land and costs of repairs and maintenance for facilities paid by landlords, but these expenses, which overlap with rents for land, etc. paid by households owning houses, are deducted.

   The expenses to be deducted are calculated by districts as follows using the result of the NSFIE:

Imputed rent after deduction
= Imputed rent of households owning houses estimated by NSFIE
  – (1) "Rents for land" paid by households owning houses in NSFIE
  – (2) "Repairs & maintenance" of households owning houses in NSFIE
  + (3) "Repairs & maintenance" of households renting privately owned houses in NSFIE[48]

Expenditures paid by households renting privately owned houses to landlords as "rents for dwelling"

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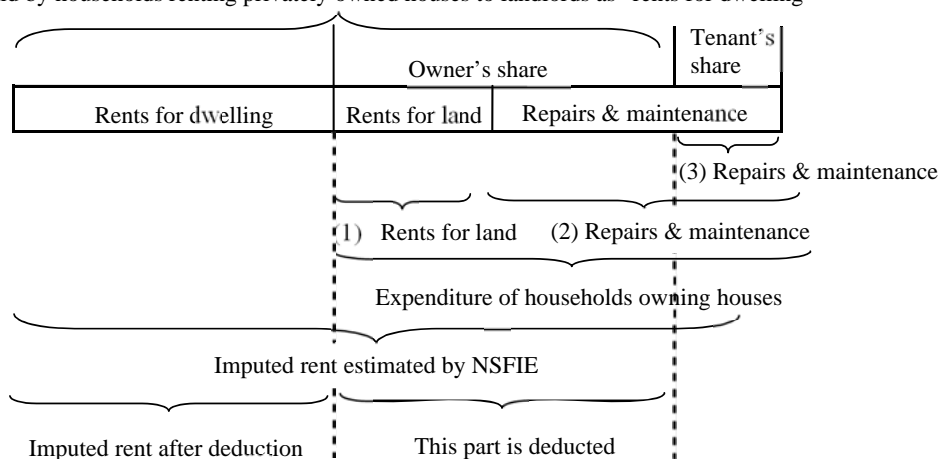
[46] For details, refer to "III Appendix 3 [Reference] Method of estimating the "imputed rent of owned house" in the 2014 NSFIE."
[47] A classification unique to the NSFIE according to the economic activities and industries of prefectures. Municipalities of a prefecture are integrated into several blocks.
[48] Minor repairs and maintenance which household renting a privately owned house usually shares.

(3) Level adjustment

    a) Adjustment to the FIES base

The FIES-based imputed rent from September to November 2014[49] is given by multiplying the adjustment rate obtained from the formula shown below by the NSFIE-based imputed rent after the deduction calculated in (2).

Adjustment rates are calculated by district and applied to all municipalities in each districts.

$$\text{Adjustment rate} = \frac{\text{Average living expenditure of FIES from September to November 2014}}{\text{Living expenditure of 2014 NSFIE}} \times 100$$

    b) Adjustment to 2015 average

The imputed rent calculated in a), which is an estimated value from September to November 2014, is multiplied by the rate of change of the CPI (hereinafter referred to as "CPI rate of change") given by the formula shown below. 2010-base indices for "imputed rent" are used for this calculation.

Indices used for calculating the CPI rate of change are those by district to which the municipalities belong.

$$\text{CPI rate of change} = \frac{\text{Index of 2015 average "imputed rent"}}{\text{Simple average of indices of "imputed rent" from September to November 2014}} \times 100$$

(4) Computation of imputed rent per household

Imputed rent obtained in (3) is a rent per household owning a house. To obtain the imputed rent per household of all household including households renting houses, it is multiplied by the house ownership rate.

The house ownership rate is applied to the results of the 2013 Housing and Land Survey (a fundamental statistical survey pursuant to the Statistics Act, hereinafter referred to as "Housing Survey") as follows:

a) For 21 major cities[50], the house ownership rate of that city is used.

b) For municipalities other than the above, the house ownership rate of a prefecture (excluding the 21 major cities), to which the municipality belong, is used.

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[49] Since the survey period of the 2014 NSFIE is from September to November 2014.
[50] Government ordinance-designated cities as of October 1, 2013 (Sapporo-shi, Sendai-shi, Saitama-shi, Chiba-shi, Yokohama-shi, Kawasaki-shi, Sagamihara-shi, Niigata-shi, Shizuoka-shi, Hamamatsu-shi, Nagoya-shi, Kyoto-shi, Osaka-shi, Sakai-shi, Kobe-shi, Okayama-shi, Hiroshima-shi, Kitakyushu-shi, Fukuoka-shi and Kumamoto-shi) and Ku-area of Tokyo

(5) Division of imputed rent

As the "Imputed rent" index is calculated from four classes, "Small wooden house," "Medium wooden house," "Small non-wooden house" and "Medium non-wooden house," the imputed rent of owned house obtained in (4) is divided into four classes using the rate of division for each municipality, obtained from the results of the Housing Survey, to find the weights by class.

The rate of division for Okinawa Prefecture is unified within the prefecture.

[Reference] Method of estimating the "Imputed rent of owned house" in the 2014 NSFIE

To estimate the imputed rent for owned houses, individual data for private rental houses (with exclusive use of facilities) were derived from the Housing Survey conducted in October 2013, and Japan was divided into 4 blocks (districts for estimation). Then a regression equation was developed using structure of dwelling, year of construction and total floor space, etc. as explanatory variables for each district and coefficients were determined using the least-square method.

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<Regression equation>

$$\ln \frac{y(i)}{S} = \left( a_i + \sum_j b_{i,j} x_{i,j} + c_i \ln S \right)$$

$y(i)$ : Rent (yen) in the district for estimation ($i$)

$i$: District for estimation

1 Tokyo-to

2 Three prefectures in Kanto (Saitama-ken, Chiba-ken, Kanagawa-ken)

3 Three prefectures in Kinki (Kyoto-fu, Osaka-fu, Hyogo-ken)

4 Other prefectures

$x_{i,j}$ : Dummy variables representing housing characteristics

$S$ : Total floor space (m$^2$) *Area excluding the space for business use

$a_i$, $b_{i,j}$, $c_i$: Partial regression coefficients

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Next, a household owning a house was taken from the households surveyed in the National Survey of Family Income and Expenditure (NSFIE). Housing characteristics of such household were fitted into the above regression equation to obtain the estimated amount of rent. This value, multiplied by the ratio of the 2010-base CPI of "house rent, private" for Japan in October 2014 (conduct of NSFIE) and that in October 2013 (conduct of Housing Survey), was taken as the imputed rent of that household.

Tables 1 and 2 show the dummy variables and partial regression coefficients used in the estimation.

## Table 1 Partial regression coefficients for dummy variables
by districts for estimation in 2014 NSFIE

Tokyo-to (i = 1)

| Dummy variable | | | Coefficient | |
|---|---|---|---|---|
| Intercept | | | $a_1$ | 9.76544 |
| Logarithm of the total floor space | | | $c_1$ | -0.50223 |
| Structure of dwelling | $x_{1;1}$ | Detached wooden house | $b_{1;1}$ | 0 |
| | $x_{1;2}$ | Detached fire-retarding wooden house | $b_{1;2}$ | 0.08077 |
| | $x_{1;3}$ | Detached ferro-/steel framed concrete or steel construction house | $b_{1;3}$ | 0.16409 |
| | $x_{1;4}$ | Other detached house | $b_{1;4}$ | 0 |
| | $x_{1;5}$ | Wooden apartment house | $b_{1;5}$ | 0.05146 |
| | $x_{1;6}$ | Fire-retarding wooden apartment house | $b_{1;6}$ | 0.07659 |
| | $x_{1;7}$ | Ferro-/steel framed concrete or steel construction apartment house | $b_{1;7}$ | 0.18561 |
| | $x_{1;8}$ | Other apartment house | $b_{1;8}$ | 0.12735 |
| | $x_{1;9}$ | Other wooden construction | $b_{1;9}$ | 0 |
| | $x_{1;10}$ | Other fire-retarding wooden construction | $b_{1;10}$ | 0.10382 |
| | $x_{1;11}$ | Other ferro-/steel framed concrete or steel constructions | $b_{1;11}$ | 0.14548 |
| | $x_{1;12}$ | Others of others (other constructions × other architectures) | $b_{1;12}$ | 0 |
| Year of construction | $x_{1;13}$ | 2011 - | $b_{1;13}$ | 0 |
| | $x_{1;14}$ | 2006 - 2010 | $b_{1;14}$ | 0.02045 |
| | $x_{1;15}$ | 2001 - 2005 | $b_{1;15}$ | -0.03205 |
| | $x_{1;16}$ | 1996 - 2000 | $b_{1;16}$ | -0.05359 |
| | $x_{1;17}$ | 1991 - 1995 | $b_{1;17}$ | -0.10706 |
| | $x_{1;18}$ | 1981 - 1992 | $b_{1;18}$ | -0.14827 |
| | $x_{1;19}$ | 1971 - 1980 | $b_{1;19}$ | -0.20785 |
| | $x_{1;20}$ | -1970 | $b_{1;20}$ | -0.31743 |
| District | $x_{1;21}$ | District 0 | $b_{1;21}$ | 0 |
| | $x_{1;22}$ | District 1 | $b_{1;22}$ | -0.18071 |
| | $x_{1;23}$ | District 2 | $b_{1;23}$ | -0.34761 |
| | $x_{1;24}$ | District 3 | $b_{1;24}$ | -0.51762 |
| | $x_{1;25}$ | District 4 | $b_{1;25}$ | -0.66738 |
| | $x_{1;26}$ | District 5 | $b_{1;26}$ | -1.07243 |

Three prefectures in Kanto (i = 2)

| Dummy variable | | | Coefficient | |
|---|---|---|---|---|
| Intercept | | | $a_2$ | 9.63055 |
| Logarithm of the total floor space | | | $c_2$ | -0.56634 |
| Structure of dwelling | $x_{2;1}$ | Detached wooden house | $b_{2;1}$ | 0 |
| | $x_{2;2}$ | Detached fire-retarding wooden house | $b_{2;2}$ | 0.09881 |
| | $x_{2;3}$ | Detached ferro-/steel framed concrete or steel construction house | $b_{2;3}$ | 0.13331 |
| | $x_{2;4}$ | Other detached house | $b_{2;4}$ | 0 |
| | $x_{2;5}$ | Wooden apartment house | $b_{2;5}$ | 0.05222 |
| | $x_{2;6}$ | Fire-resistant wooden apartment house | $b_{2;6}$ | 0.0871 |
| | $x_{2;7}$ | Ferro-/steel framed concrete or steel construction apartment house | $b_{2;7}$ | 0.16046 |
| | $x_{2;8}$ | Other apartment house | $b_{2;8}$ | 0.08694 |
| | $x_{2;9}$ | Other wooden construction | $b_{2;9}$ | 0.05364 |
| | $x_{2;10}$ | Other fire-retarding wooden construction | $b_{2;10}$ | 0.12942 |
| | $x_{2;11}$ | Other ferro-/steel framed concrete or steel constructions | $b_{2;11}$ | 0.1091 |
| | $x_{2;12}$ | Others of others (other constructions × other architectures) | $b_{2;12}$ | 0 |
| Year of construction | $x_{2;13}$ | 2011 - | $b_{2;13}$ | 0 |
| | $x_{2;14}$ | 2006 - 2010 | $b_{2;14}$ | -0.01334 |
| | $x_{2;15}$ | 2001 - 2005 | $b_{2;15}$ | -0.05331 |
| | $x_{2;16}$ | 1996 - 2000 | $b_{2;16}$ | -0.05573 |
| | $x_{2;17}$ | 1991 - 1995 | $b_{2;17}$ | -0.11706 |
| | $x_{2;18}$ | 1981 - 1990 | $b_{2;18}$ | -0.17362 |
| | $x_{2;19}$ | 1971 - 1980 | $b_{2;19}$ | -0.24548 |
| | $x_{2;20}$ | -1970 | $b_{2;20}$ | -0.31536 |
| District | $x_{2;21}$ | District 0 | $b_{2;21}$ | 0 |
| | $x_{2;22}$ | District 1 | $b_{2;22}$ | -0.20417 |
| | $x_{2;23}$ | District 2 | $b_{2;23}$ | -0.32843 |
| | $x_{2;24}$ | District 3 | $b_{2;24}$ | -0.41283 |
| | $x_{2;25}$ | District 4 | $b_{2;25}$ | -0.51764 |
| | $x_{2;26}$ | District 5 | $b_{2;26}$ | -0.65053 |

Three prefectures in Kinki (i = 3)

| Dummy variable | | | Coefficient | |
|---|---|---|---|---|
| Intercept | | | $a_3$ | 9.44092 |
| Logarithm of the total floor space | | | $c_3$ | -0.5642 |
| Structure of dwelling | $x_{3;1}$ | Detached wooden house | $b_{3;1}$ | 0 |
| | $x_{3;2}$ | Detached fire-retarding wooden house | $b_{3;2}$ | 0.12699 |
| | $x_{3;3}$ | Detached ferro-/steel framed concrete or steel construction house | $b_{3;3}$ | 0.14894 |
| | $x_{3;4}$ | Other detached house | $b_{3;4}$ | 0 |
| | $x_{3;5}$ | Wooden apartment house | $b_{3;5}$ | 0.08503 |
| | $x_{3;6}$ | Fire-retarding wooden apartment house | $b_{3;6}$ | 0.16948 |
| | $x_{3;7}$ | Ferro-/steel framed concrete or steel construction apartment house | $b_{3;7}$ | 0.25531 |
| | $x_{3;8}$ | Other apartment house | $b_{3;8}$ | 0.23087 |
| | $x_{3;9}$ | Other wooden construction | $b_{3;9}$ | 0.02245 |
| | $x_{3;10}$ | Other fire-retarding wooden construction | $b_{3;10}$ | 0.11273 |
| | $x_{3;11}$ | Other ferro-/steel framed concrete or steel constructions | $b_{3;11}$ | 0.20261 |
| | $x_{3;12}$ | Others of others (other constructions × other architectures) | $b_{3;12}$ | 0 |
| Year of construction | $x_{3;13}$ | 2011 - | $b_{3;13}$ | 0 |
| | $x_{3;14}$ | 2006 - 2010 | $b_{3;14}$ | 0 |
| | $x_{3;15}$ | 2001 - 2005 | $b_{3;15}$ | -0.02074 |
| | $x_{3;16}$ | 1996 - 2000 | $b_{3;16}$ | -0.05912 |
| | $x_{3;17}$ | 1991 - 1995 | $b_{3;17}$ | -0.1034 |
| | $x_{3;18}$ | 1981 - 1990 | $b_{3;18}$ | -0.15336 |
| | $x_{3;19}$ | 1971 - 1980 | $b_{3;19}$ | -0.2283 |
| | $x_{3;20}$ | -1970 | $b_{3;20}$ | -0.35101 |
| District | $x_{3;21}$ | District 0 | $b_{3;21}$ | 0 |
| | $x_{3;22}$ | District 1 | $b_{3;22}$ | -0.12103 |
| | $x_{3;23}$ | District 2 | $b_{3;23}$ | -0.2404 |
| | $x_{3;24}$ | District 3 | $b_{3;24}$ | -0.34843 |
| | $x_{3;25}$ | District 4 | $b_{3;25}$ | -0.42556 |
| | $x_{3;26}$ | District 5 | $b_{3;26}$ | -0.72372 |

Other prefectures (i = 4)

| Dummy variable | | | Coefficient | |
|---|---|---|---|---|
| Intercept | | | $a_4$ | 8.95921 |
| Logarithm of the total floor space | | | $c_4$ | -0.58162 |
| Structure of dwelling | $x_{4;1}$ | Detached wooden house | $b_{4;1}$ | 0 |
| | $x_{4;2}$ | Detached fire-retarding wooden house | $b_{4;2}$ | 0.09805 |
| | $x_{4;3}$ | Detached ferro-/steel framed concrete or steel construction house | $b_{4;3}$ | 0.10328 |
| | $x_{4;4}$ | Other detached house | $b_{4;4}$ | 0 |
| | $x_{4;5}$ | Wooden apartment house | $b_{4;5}$ | 0.13868 |
| | $x_{4;6}$ | Fire-retarding wooden apartment house | $b_{4;6}$ | 0.18745 |
| | $x_{4;7}$ | Ferro-/steel framed concrete or steel construction apartment house | $b_{4;7}$ | 0.24119 |
| | $x_{4;8}$ | Other apartment house | $b_{4;8}$ | 0.22189 |
| | $x_{4;9}$ | Other wooden construction | $b_{4;9}$ | 0 |
| | $x_{4;10}$ | Other fire-retarding wooden construction | $b_{4;10}$ | 0.15991 |
| | $x_{4;11}$ | Other ferro-/steel framed concrete or steel constructions | $b_{4;11}$ | 0.19732 |
| | $x_{4;12}$ | Others of others (other constructions × other architectures) | $b_{4;12}$ | -0.20735 |
| Year of construction | $x_{4;13}$ | 2011 - | $b_{4;13}$ | 0 |
| | $x_{4;14}$ | 2006 - 2010 | $b_{4;14}$ | -0.02189 |
| | $x_{4;15}$ | 2001 - 2005 | $b_{4;15}$ | -0.05559 |
| | $x_{4;16}$ | 1996 - 2000 | $b_{4;16}$ | -0.09661 |
| | $x_{4;17}$ | 1991 - 1995 | $b_{4;17}$ | -0.1553 |
| | $x_{4;18}$ | 1981 - 1990 | $b_{4;18}$ | -0.22752 |
| | $x_{4;19}$ | 1971 - 1980 | $b_{4;19}$ | -0.31214 |
| | $x_{4;20}$ | -1970 | $b_{4;20}$ | -0.45394 |
| District | $x_{4;21}$ | District 0 | $b_{4;21}$ | 0 |
| | $x_{4;22}$ | District 1 | $b_{4;22}$ | 0.03812 |
| | $x_{4;23}$ | District 2 | $b_{4;23}$ | 0.10064 |
| | $x_{4;24}$ | District 3 | $b_{4;24}$ | 0.13822 |
| | $x_{4;25}$ | District 4 | $b_{4;25}$ | 0.18093 |
| | $x_{4;26}$ | District 5 | $b_{4;26}$ | 0.22738 |
| City group | $x_{4;27}$ | Towns, villages and cities with population of less than 100,000 | $b_{4;27}$ | 0 |
| | $x_{4;28}$ | Cities with population of over 100,000 and less than 300,000 | $b_{4;28}$ | 0.04646 |
| | $x_{4;29}$ | Cities with population of over 300,000 and less than 1,000,000 | $b_{4;29}$ | 0.10948 |
| | $x_{4;30}$ | Cities with population of 1,000,000 | $b_{4;30}$ | 0.19753 |

## Table 2 Regional dummy variables in 2014 NSFIE

**Tokyo-to**

| District dummy | District | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | Chiyoda-ku | Chuo-ku | Minato-ku | Meguro-ku | Shibuya-ku | | | |
| 1 | Shinjuku-ku | Bunkyo-ku | Taito-ku | Koto-ku | Shinagawa-ku | Ohta-ku | Setagaya-ku | Nakano-ku |
| | Suginami-ku | Toshima-ku | Kita-ku | Musashino-shi | Mitaka-shi | | | |
| 2 | Sumida-ku | Arakawa-ku | Itabashi-ku | Nerima-ku | Adachi-ku | Katsushika-ku | Edogawa-ku | Fuchu-shi |
| | Chofu-shi | Koganei-shi | Kokubunji-shi | Kunitachi-shi | Komae-si | Nishi-Tokyo-shi | Ogasawara-mura | |
| 3 | Hachioji-shi | Tachikawa-shi | Akishima-shi | Machida-shi | Kodaira-shi | Hino-shi | Higashimurayama-shi | Kiyose-shi |
| | Higashikurume-shi | Tama-shi | Inagi-shi | | | | | |
| 4 | Ohme-shi | Fussa-shi | Higashiyamato-shi | Musashimurayama-shi | Hamura-shi | Akiruno-shi | Hozumi-cho | Hachijo-machi |
| 5 | Hinode-machi | Hinohara-mura | Okutama-machi | Oshima-mura | Toshima-mura | Niijima-mura | Kozushima-mura | Miyake-mura |
| | Mikurajima-mura | Aogashima-mura | | | | | | |

**Three prefectures in Kanto**

| District dummy | District | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | (Saitama Pref.) | Omiya-ku, Saitama-shi | Chuo-ku, Saitama-shi | Urawa-ku, Saitama-shi | Minami-ku, Saitama-shi | Kawaguchi-shi | Warabi-shi | Toda-shi |
| | | Asaka-shi | Shigi-shi | Wako-shi | | | | |
| | (Chiba Pref.) | Mihama-ku, Chiba-shi | Ichikawa-shi | Urayasu-shi | | | | |
| | (Kanagawa Pref.) | Tsurumi-ku, Yokohama-shi | Kanagawa-ku, Yokohama-shi | Nishi-ku, Yokohama-shi | Naka-ku, Yokohama-shi | Minami-ku, Yokohama-shi | Hodogaya-ku, Yokohama-shi | Isogo-ku, Yokohama-shi |
| | | Kanazawa-ku, Yokohama-shi | Kohoku-ku, Yokohama-shi | Totsuka-ku, Yokohama-shi | Konan-ku, Yokohama-shi | Asahi-ku, Yokohama-shi | Midori-ku, Yokohama-shi | Sakae-ku, Yokohama-shi |
| | | Aoba-ku, Yokohama-shi | Tsuzuki-ku, Yokohama-shi | Kawasaki-ku, Kawasaki-shi | Saiwai-ku, Kawasaki-shi | Nakahara-ku, Kawasaki-shi | Takatsu-ku, Kawasaki-shi | Tama-ku, Kawasaki-shi |
| | | Miyamae-ku, Kawasaki-shi | Asao-ku, Kawasaki-shi | Kamakura-shi | Fujisaza-shi | Chigasaki-shi | Zujshi | Hayama-cho |
| 1 | (Saitama Pref.) | Kita-ku, Saitama-shi | Minuma-ku, Saitama-shi | Midori-ku, Saitama-shi | Kawagoe-shi | Tokorozawa-shi | Soka-shi | Koshigaya-shi |
| | | Niiza-shi | Yashio-shi | Fujimi-shi | Misato-shi | Yoshikawa-shi | Fujimino-shi | Miyoshi-machi |
| | | Kawajima-machi | | | | | | |
| | (Chiba Pref.) | Chuo-ku, Chiba-shi | Hanamigawa-ku, Chiba-shi | Inageku, chiba-shi | Funabashi-shi | Matsudo-shi | Narashino-shi | Kashiwa-shi |
| | | Nagareyama-shi | Yachiyo-shi | | | | | |
| | (Kanagawa Pref.) | Seya-ku, Yokohama-shi | Izumi-ku, Yokohama-shi | Midori-ku, Sagamihara-shi | Chuo-ku, Sagamihara-shi | Minami-ku, Sagamihara-shi | Yokosuka-shi | Hiratsuka-shi |
| | | Odawara-shi | Atsugi-shi | Yamato-shi | Ebina-shi | Zama-shi | Ayase-shi | Samukawa-machi |
| | | Ohiso-machi | Ninomiya-machi | | | | | |
| 2 | (Saitama Pref.) | Nishi-ku, Saitama-shi | Sakura-ku, Saitama-shi | Iwatsuki-ku, Saitama-shi | Hanno-shi | Kasukabe-shi | Sayama-shi | Ageo-shi |
| | | Iruma-shi | Okegawa-shi | Kuki-shi | Hasuda-shi | Sakato-shi | Tsurugashima-shi | Ina-cho |
| | (Chiba Pref.) | Wakaba-ku, Chiba-shi | Abiko-shi | Kamagaya-shi | Inzai-shi | Shirai-shi | | |
| | (Kanagawa Pref.) | Hatano-shi | Isehara-shi | Minamiashigara-shi | Ohi-machi | Hakone-machi | Yugawara-machi | Kiyokawa-mura |
| 3 | (Saitama Pref.) | Kumagaya-shi | Kasu-shi | Higashimatsuyama-shi | Hanyu-si | Konosu-shi | Kitamoto-shi | Satte-shi |
| | | Hidaka-shi | Moroyama-machi | Ogose-machi | Namegawa-machi | Ogawa-machi | Yoshimi-machi | Tokigawa-machi |
| | | Miyashiro-machi | Sugjito-machi | Matsubushi-machi | | | | |
| | (Chiba Pref.) | Midori-ku, Chiba-shi | Tateyama-shi | Kisarazu-shi | Noda-shi | Narita-shi | Sakura-shi | Ichihara-shi |
| | | Kamogawa-shi | Kimitsu-shi | Yotsukaido-shi | Sodegaura-shi | Tomisato-shi | Katori-shi | Shisui-shi |
| | | Sakae-machi | Tounosho-machi | Kyonan-machi | | | | |
| | (Kanagawa Pref.) | Miura-shi | Matsuda-machi | Kaisei-machi | Manazru-machi | Aikawa-machi | | |
| 4 | (Saitama Pref.) | Gyoda-shi | Chichibu-shi | Honjo-shi | Fukaya-shi | Ranzan-machi | Minano-machi | Sango-cho |
| | | Kamisato-machi | Yorii-machi | | | | | |
| | (Chiba Pref.) | Shoshi-shi | Mobara-shi | Togane-shi | Asashi-shi | Katsuura-shi | Futtu-shi | Yachimata-shi |
| | | Minamiboso-shi | Sosa-shi | Isumi-shi | Tako-machi | Shibaya-machi | Ichinomiya-machi | Onjuku-machi |
| | (Kanagawa Pref.) | Nakai-machi | Yamakita-machi | | | | | |
| 5 | (Saitama Pref.) | Yatoyama-machi | Yokose-machi | Nagatoro-machi | Ojikano-machi | Higashi-chichibu-mura | Kamigawa-machi | Shiraoka-machi |
| | (Chiba Pref.) | Sanmu-shi | Kanzaki-machi | Oami-shirasato-machi | Kujukuri-machi | Yokoshiba-hikari-machi | Mutsuzawa-machi | Chosei-mura |
| | | Shirako-machi | Nagara-machi | Chonan-machi | Okita-machi | | | |

**Three prefectures in Kinki**

| District dummy | District | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | (Osaka Pref.) | Fukushima-ku, Osaka-shi | Nishi-ku, Osaka-shi | Tennoji-ku, Osaka-shi | Naniwa-ku, Osaka-shi | Kuta-ku, Osaka-shi | Chuo-ku, Osaka-shi | |
| | (Hyogo Pref.) | Higashinada-ku, Kobe-shi | Chuo-ku, Kobe-si | Ashiya-shi | | | | |
| 1 | (Kyoto Pref.) | Kita-ku, Kyoto-shi | Kamigyo-ku, Kyoto-shi | Sakyo-ku, Kyoto-shi | Nakagyo-ku, Kyoto-shi | Higashiyama-ku, Kyoto-shi | Shimogyo-ku, Kyoto-shi | Ukyo-ku, Kyoto-shi |
| | | Yamashina-ku, Kyoto-shi | Nishigyo-ku, Kyoto-shi | Uji-shi | Hyuga-si | Nagaokakyo-shi | Oyamazaki-cho | Seika-cho |
| | (Osaka Pref.) | Toshima-ku, Osaka-shi | Minato-ku, Osaka-shi | Taisho-ku, Osaka-shi | Nishiyodogawa-ku, Osaka-shi | Higashiyodogawa-ku, Osaka-shi | Higashinari-ku, Osaka-shi | Jotou-ku, Osaka-shi |
| | | Abeno-ku, Osaka-shi | Higashi-sumiyoshi-ku, Osaka-shi | Nishinari-ku, Osaka-shi | Yodogawa-ku, Osaka-shi | Tsurumi-ku, Osaka-shi | Hirano-ku, Osaka-shi | Kita-ku, Sakai-shi |
| | | Toyonaka-shi | Ikeda-shi | Suita-shi | Takatsuki-shi | Ibaraki-shi | Minoo-shi | Settsu-shi |
| | | Shimamoto-cho | | | | | | |
| | (Hyogo Pref.) | Nada-ku, Kobe-shi | Hyogo-ku, Kobe-shi | Amagasaki-shi | Nishinomiya-shi | Itami-shi | Takarazuka-shi | |
| 2 | (Kyoto Pref.) | Minami-ku, Kyoto-shi | Fushimi-ku, Kyoto-shi | Joyo-shi | Hachiman-shi | Kyotanabe-shi | Kizugawa-shi | Kumiyama-cho |
| | (Osaka Pref.) | Konohana-ku, Osaka-shi | Ikuno-ku, Osaka-shi | Asahi-ku, Osaka-shi | Sumiyoshi-ku, Osaka-shi | Suminoe-ku, Osaka-shi | | Naka-ku, Sakai-shi |
| | | Higashi-ku, Sakai-shi | Nishi-ku, Sakai-shi | Mihara-ku, Sakai-shi | Izumiotsu-shi | Moriguchi-shi | Hirakata-shi | Yao-shi |
| | | Tondabayashi-shi | Neyagawa-shi | Matsubara-shi | Daito-shi | Habikino-shi | Kadoma-shi | Takaishi-shi |
| | | Fujiidera-shi | Higashiosaka-shi | Shijonawade-shi | Katano-shi | Toyono-cho | Tadaoka-cho | Kumatori-cho |
| | | Kanan-cho | | | | | | |
| | (Hyogo Pref.) | Nagata-ku, Kobe-shi | Suma-ku, Kobe-shi | Tarumi-ku, Kobe-shi | Kita-ku, Kobe-shi | Nishi-ku, Kobe-shi | Akashi-shi | Kawanishi-shi |
| | | Mita-shi | Inami-cho | | | | | |
| 3 | (Kyoto Pref.) | Fukuchiyama-shi | Kameoka-shi | Ide-cho | | | | |
| | (Osaka Pref.) | Minami-ku, Sakai-shi | Kishiwada-shi | Kawachinagano-shi | Izumi-shi | Kashiwara-shi | Osakasayama-shi | Tajiri-cho |
| | (Hyogo Pref.) | Himeji-shi | Kakogawa-shi | Miki-shi | Takasago-shi | Kawai-shi | Katou-shi | Inagawa-shi |
| | | Suma-cho | Fukuzaki-cho | | | | | |
| 4 | (Kyoto Pref.) | Maizuru-shu | Ayabe-shi | Miyazu-shi | Kyotango-shi | Nantan-shi | Ujitawara-cho | Kasagi-cho |
| | | Yosano-cho | | | | | | |
| | (Osaka Pref.) | Kaizuka-shi | Izumisano-shi | Sennan-shi | Hannann-shi | Taichi-cho | | |
| | (Hyogo Pref.) | Sumoto-shi | Aioi-cho | Toyooka-shi | Ako-shi | Nishiwaki-shi | Ono-shi | Sasayama-shi |
| | | Yabu-shi | Tanba-shi | Minamiawaji-shi | Asago-shi | Awaji-shi | Anaguri-shi | Tatsuno-shi |
| | | Taichi-cho | Kamigori-cho | Sayo-cho | Shinonsen-cho | | | |
| 5 | (Kyoto Pref.) | Wazuka-cho | Minamiyamashiro-mura | Kyotanba-cho | Ine-cho | | | |
| | (Osaka Pref.) | Nose-cho | Misaki-cho | Chihayaakasaka-mura | | | | |
| | (Hyogo Pref.) | Taka-cho | Ichikawa-cho | Kamikawa-cho | Kami-cho | | | |

**Other prefectures**

| District dummy | District | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | Akita Pref. | Miyazaki Pref. | | | | | | |
| 1 | Hokkaido Pref. | Aomori Pre. | Kochi Pref. | Kumamoto Pref. | Oita Pref. | Kagoshima Pref. | | |
| 2 | Iwate Pref. | Fukushima Pref. | Gunma Pref. | Toyama Pref. | Ishikawa Pref. | Gifu Pref. | Mie Pref. | Wakayama Pref. |
| | Tottori Pref. | Yamaguchi Pref. | Tokushima Pref. | Kagawa Pref. | Ehime Pref. | Fukuoka Pref. | Saga Pref. | Okinawa Pref. |
| 3 | Miyagi Pref. | Yamagata Pref. | Tochigi Pref. | Niigata Pref. | Nagano Pref. | Shimane Pref. | Okayama Pref. | Hiroshima Pref. |
| | Nagasaki Pref. | | | | | | | |
| 4 | Ibaraki Pref. | Fukui Pref. | Yamanashi Pref. | Shiga Pref. | Nara Pref. | | | |
| 5 | Shizuoka Pref. | Aichi Pref. | | | | | | |