The 4–City Survey: Analyzing the effects of housing types on personal community networks*

(Survey Report and Questionnaire)

Shinsuke OTANI**

Outline of the 4–City Survey

Area: Nishinomiya, Matsuyama, Hachioji, and Musashino
Method: Mailed questionnaire
Age of sample: Adults aged from 20 to 86

The features of four cities are;

Musashino: (About 15 minutes trip by train from the Tokyo downtown terminal (Shinjuku)): 1995 census population: 135,051
Nishinomiya: (About 15 minutes trip by train from the Osaka downtown terminal (Osaka)): 1995 census population: 390,389
Hachioji: (About 60 minutes trip by train from the Tokyo downtown terminal (Shinjuku)): 1995 census population: 503,363
Matsuyama: (Local central city): 1995 census population: 460,968

The procedure of the survey

I worked out a new plan for sampling of this survey in order to measure the effects of both urbanism and housing type on personal community networks. The procedure of this survey is as follows:

1. As a beginning, I assume a new four part typology to analyze the effects of both urbanism and housing types.

The features of four housing types are;

Type I: Single-unit houses in traditional residential areas
This housing type is located exclusively in residential districts. Most districts were developed before World War Ⅱ, and it usually takes under 30 minutes to travel downtown by train or by car. Almost all houses in these areas are single-family units with gardens. Most residents are home owners. This kind of housing is more expensive than any other type of housing.

Type II: Single-unit houses in suburban areas
This housing type is located in suburban areas, which were built by some major developers after the 1960s. Many residents in these areas moved from central downtown to the suburbs in order to get single-family houses. The commute to downtown is usually quite long.

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* Key words: personal community network, urbanism, housing types
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Type III: Owned condominiums

Living in condominiums is very popular among Japanese city-dwellers. This is because of two reasons—the convenience and the housing cost. Many condominiums are built so close to downtown that people living in condos can easily commute to their workplaces. As well, this housing is less expensive than a single-family housing built in the same area. Thus many Japanese middle-class people tend to buy condos.

Type IV: Public apartments

Japanese local governments have many public apartments to provide dwelling places to working-class people. A person who wants to live in a public apartment has to submit his/her proof of earnings, as they must be living on a limited income.

*As a matter of fact, we could not select samples of each type in all cities, because there is no type I in Hachioji, and no type II Musasino.

2. Next I chose four cities that are consistent with my interests; Nishinomiya, Matsuyama, Hachioji, Musasino

3. I interviewed city-clerks of 4 local governments to look for my four housing types.

4. After that, research samples were chosen from each area, condo, and apartment, using systematic random sampling from census-books obtained from each city hall.

The number of respondents who live in each city

<table>
<thead>
<tr>
<th>City</th>
<th>Number of sample</th>
<th>Number of respondents</th>
<th>Response rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Musashino</td>
<td>540</td>
<td>190</td>
<td>35.0%</td>
</tr>
<tr>
<td>Nishinomiya</td>
<td>720</td>
<td>328</td>
<td>45.6%</td>
</tr>
<tr>
<td>Hachioji</td>
<td>540</td>
<td>177</td>
<td>33.0%</td>
</tr>
<tr>
<td>Matsuyama</td>
<td>720</td>
<td>259</td>
<td>36.0%</td>
</tr>
<tr>
<td>Total</td>
<td>2520</td>
<td>954</td>
<td>37.9%</td>
</tr>
</tbody>
</table>

The number of respondents who live in each housing type

<table>
<thead>
<tr>
<th>Housing Type</th>
<th>Number of sample</th>
<th>Number of respondents</th>
<th>Response rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type I</td>
<td>540</td>
<td>236</td>
<td>43.7%</td>
</tr>
<tr>
<td>Type II</td>
<td>540</td>
<td>246</td>
<td>45.6%</td>
</tr>
<tr>
<td>Type III</td>
<td>720</td>
<td>280</td>
<td>38.8%</td>
</tr>
<tr>
<td>Type IV</td>
<td>720</td>
<td>192</td>
<td>26.7%</td>
</tr>
<tr>
<td>Total</td>
<td>2520</td>
<td>954</td>
<td>37.9%</td>
</tr>
</tbody>
</table>
Questionnaire

Q 1. Which city do you live in now?
   1. Matsuyama (27.1%)  2. Nishinomiya (34.4%)  3. Hachioji (18.6%)  4. Musashino (19.9%)

Q 2. Which type of house do you live in now?

<table>
<thead>
<tr>
<th></th>
<th>1. Private house (46.8%)</th>
<th>2. Rented house (2.2%)</th>
<th>3. Owned condominium (27.1%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4. Rented condominium (1.7%)</td>
<td>5. Public housing (19.9%)</td>
<td>6. Domitory (1.4%)</td>
</tr>
<tr>
<td></td>
<td>7. Others (0.9%)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q 3. How long have you lived there?

13.74 years

Q 4. Have you ever moved?
   1. Yes 3.67 times
   2. No

SQ 1. (If yes) Where was your former dwelling?

<table>
<thead>
<tr>
<th></th>
<th>Prefecture</th>
<th>City / Town / Village</th>
</tr>
</thead>
</table>

What was the distance between you pervious dwelling, and the dwelling that you live in now?

- Same city 44.1%, Next city 13.7%, Same prefecture 17.5%
- Same district 11.1%, Other district 13.6%

SQ 2. Which type of house did you live in?

<table>
<thead>
<tr>
<th></th>
<th>1. Private house (22.5%)</th>
<th>2. Rented house (14.3%)</th>
<th>3. Owned condominium (9.8%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4. Rented condominium (11.9%)</td>
<td>5. Public housing (17.0%)</td>
<td>6. Domitory (17.0%)</td>
</tr>
<tr>
<td></td>
<td>7. Apartment (9.0%)</td>
<td>8. Others (0.9%)</td>
<td></td>
</tr>
</tbody>
</table>

Q 5. How did you choose your current residence?
   1. By your own free choice (86.3%)
   2. No choice (For example: you lived there since you were born; company house) (13.7%)

Q 6. To what degree did the following influence your decision to live in your present residence?
   (If you answered 2 on Q 5, assume you chose your residence)

1. To be close to your parent’s home or another relative’s home.
   - Very much (17.1%)  Somewhat (33.6%)  A little (21.5%)  Not at all (27.9%)
   - To be close to friends.
     - Very much (6.6%)  Somewhat (21.8%)  A little (36.2%)  Not at all (35.4%)
   - To be near your workplace.
     - Very much (40.0%)  Somewhat (42.3%)  A little (11.4%)  Not at all (6.2%)
   - To be near a good school.
     - Very much (32.1%)  Somewhat (40.1%)  A little (14.7%)  Not at all (13.1%)
   - To be close to institutions, such as a hospital or market.
     - Very much (21.9%)  Somewhat (52.7%)  A little (19.8%)  Not at all (5.7%)
   - To increase your living space (more rooms, a garden).
     - Very much (35.5%)  Somewhat (48.5%)  A little (12.1%)  Not at all (3.8%)
   - To live in a pleasant environment.
     - Very much (39.2%)  Somewhat (43.5%)  A little (13.2%)  Not at all (4.0%)
   - The prestige of the neighborhood.
     - Very much (18.0%)  Somewhat (44.9%)  A little (28.0%)  Not at all (9.0%)
SQ. Which of the above factors influenced your decision the most?
Which was the second most important factor?

Most important factor. ( )
1. 13.1%  2. 3.2%  3. 26.1%  4. 12.7%  5. 7.8%  6. 19.0%  7. 15.9%  8. 2.3%

Second most important factor. ( )
1. 7.9%  2. 3.0%  3. 16.7%  4. 13.2%  5. 15.4%  6. 15.1%  7. 22.1%  8. 6.5%

Q 7. How satisfied are you with your present residence as a whole, considering the points in Q 6 above?
1. Very much (34.3%)  2. Somewhat (48.5%)  3. A little (13.3%)  4. Not at all (3.9%)

Q 8. We will now ask you about your neighborhood relationships. Please think about the people who live in the houses on either side of your house. From these people please choose one person with whom you have an intimate relationship. I will now ask you about your relationship with him/her.

a. Do you know members of his/her household? 1. YES 86.3%  2. NO 13.7%
b. Do you know where he/she comes from? 1. YES 51.5%  2. NO 48.5%
c. Do you know what kind of occupation he/she (or spouse) has? 1. YES 72.2%  2. NO 27.8%
d. Do you know what kind of school he/she graduated from? 1. YES 29.0%  2. NO 71.0%
e. Do you know how he/she met his/her spouse? 1. YES 21.3%  2. NO 78.7%
f. Do you know what kind of problems he/she has? 1. YES 16.2%  2. NO 83.8%
g. Have you been somewhere, such as shopping, lunch or dinner, with him/her this month? 1. YES 13.0%  2. NO 87.0%
h. Have you ever given a small present, such as a baked food, or been given a present by him/her? 1. YES 77.5%  2. NO 22.5%
i. Have you ever visited his/her home? Or has he/she ever visited your home? 1. YES 35.7%  2. NO 64.3%
j. Have you ever talked to him/her about your troubles? 1. YES 19.1%  2. NO 80.9%
k. Do you associate with his/her whole family? 1. YES 24.6%  2. NO 75.4%
l. Have you ever asked him/her to do a small favor, such as house-sitting while you were away? 1. YES 46.6%  2. NO 53.4%

Q 9. We would like to ask you about another type of neighborhood relationship. This time, please think about some people who live in your elementary school district. Please count them and then fill the following questions.

1. How many neighbors have you been out with this month? For example shopping, lunch or dinner. 1.17 persons
2. How many neighbors have you ever given a small present, such as baked food, or been given a present? 3.35 persons
3. How many neighbors have you ever visited, or have visited your home? 2.20 persons

Q 10. Do you think that your neighbors actively participate in events that are run by community organizations?
Community organizations are, for example, chonai-kai (neighborhood associations), seinen-dan (youth organizations), and senior citizen groups.

1. Yes, very active 9.2%
2. Yes, more or less 49.6%
3. Yes, a little 35.7%
4. No, not at all 5.5%

Q 11. Do you actively participate in these activities?

1. Yes, Very actively. 3.2%
2. Yes, more or less 22.7%
3. No, a little 39.7%
4. No, not at all 34.3%
Q 12. Do you plan to stay in the neighborhood that you now live in?
1. Yes 36.7%
2. Yes, maybe 43.4%
3. No, maybe 15.3%
4. No 4.6%

Q 13. ① Do you know how to separate material which is to be recycled?
1. Yes, certainly 60.2%
2. Yes, more or less 35.3%
3. Yes, a little 4.0%
4. No, not at all 0.5%

② How do you usually dispose of milk cartons?
1. I always throw them into recycle bins. 47.4%
2. I sometimes throw them into recycle bins. 19.1%
3. I seldom throw them into recycle bins. 16.0%
4. I have never thrown them into recycle bins. 17.5%

Q 14. I will now ask you some questions about your friends.

A: Intimate or close friends.
B: Friends who you have not seen in at least three years, but who you still consider to be your friends.

Please count the number of friends in each category (A and B), which you first met in the following ways.
(Do not count any friend more than once.)

<table>
<thead>
<tr>
<th>Where did you first meet them?</th>
<th>Number of type A friends (intimate or close friends)</th>
<th>Number of type B friends (friends that you haven’t seen in the past 3 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>At school</td>
<td>3.17</td>
<td>4.53</td>
</tr>
<tr>
<td>At Work</td>
<td>3.96</td>
<td>3.35</td>
</tr>
<tr>
<td>In the neighborhood</td>
<td>1.36</td>
<td>1.33</td>
</tr>
<tr>
<td>through your child</td>
<td>1.58</td>
<td>1.04</td>
</tr>
<tr>
<td>through recreational activity</td>
<td>3.34</td>
<td>1.96</td>
</tr>
<tr>
<td>Other</td>
<td>1.42</td>
<td>1.25</td>
</tr>
</tbody>
</table>

Q 15. Now please think about your best friend, from all those mentioned in Q 14.

① Where did you first meet him/her?
1) At school (38.6%)  2) At work (26.4%)  3) In your neighborhood (7.4%)  4) Through your child (9.7%)  5) Through a recreational activity (11.9%)  6) Other (6.0%)

② Do you know where your best friend lives?
1. Yes 98.7%
2. No 1.3%
If yes, where is it?
Same city 45.9%, Neighboring city 12.4%, Same prefecture 16.0%
Same district 15.6%, Other district 10.1%

③ Do you know where your best friend’s hometown is?
1. Yes 90.2%
2. No 9.8%
If yes, where is it?
   Same city 29.2%, Neighboring city & Same prefecture 24.2%
   Same district 14.6%, Other district 32.0%

④ Does your relationship with this friend include any of the following?
   Please answer each of the following questions.
   A. Enjoy recreational activities together.  1. Yes (76.0%)  2. No (24.0%)
   B. Being there for her/him when she/he is in trouble.  1. Yes (85.0%)  2. No (15.0%)
   C. Helping out with work or other kinds of business.  1. Yes (57.8%)  2. No (42.2%)

⑤ How many times did you talk to her/him on the phone in the past month?  (3.38) times
⑥ How many times did you meet her/him outside of work or school in the past month?  (2.96) times

⑦ I will now ask you some more questions about your relationship with him/her.
   a. Do you know members of his/her household?  1. Yes (97.4%)  2. No (2.6%)
   b. Do you know where he/she comes from?  1. Yes (93.3%)  2. No (6.7%)
   c. Do you know what kind of occupation he/she (or spouse) has?  1. Yes (95.4%)  2. No (4.6%)
   d. Do you know what kind of school he/she graduated from?  1. Yes (89.6%)  2. No (10.4%)
   e. Do you know how your friend met his/her spouse?  1. Yes (77.8%)  2. No (22.2%)
   f. Do you know what kind of problems he/she has?  1. Yes (60.2%)  2. No (39.8%)
   g. Have you been somewhere, such as, shopping, lunch or dinner, with him/her this month?  1. Yes (56.8%)  2. No (43.2%)
   h. Have you ever given a small present, such as a baked food, or been given a present by him/her?  1. Yes (85.1%)  2. No (14.9%)
   i. Have you ever visited his/her home? Or has he/she ever visited your home?  1. Yes (81.3%)  2. No (18.7%)
   j. Have you ever talked to him/her about your troubles?  1. Yes (79.0%)  2. No (21.0%)
   k. Do you associate with his/her whole family?  1. Yes (50.6%)  2. No (49.4%)
   l. Have you ever asked him/her to do a small favor, such as house-sitting while you were away?  1. Yes (45.5%)  2. No (54.5%)

Q 16. ① Have any of your friends ever helped you buy something? (For example, did a friend use their staff discount to help you buy something, or did they introduce you to someone who was selling something that you wanted?)
   yes (52.1%)  no (47.9%)
   ② Have you ever helped any of your friends buy something?  yes (53.9%)  no (46.1%)

Q 17. Have you ever been asked to vote for a particular candidate by your friends?
   1. Yes  56.7%
   2. No  43.3%

Q 18. What is your marital status?
   1. Married  77.8%
   2. Divorced or widowed  10.7%
   3. Never married  11.5%

SQ 1. Do you have children?
   1. Yes  77.7%  How many?  2.09
   2. No-(skip to SQ 3)  7.1%

SQ 2. If yes, circle all that apply

<table>
<thead>
<tr>
<th></th>
<th>first child</th>
<th>last child</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Preschool</td>
<td>7.1%</td>
<td>11.5%</td>
</tr>
<tr>
<td>2. Elementary school</td>
<td>7.8%</td>
<td>12.0%</td>
</tr>
<tr>
<td>3. Junior high school</td>
<td>7.0%</td>
<td>8.5%</td>
</tr>
<tr>
<td>4. High school</td>
<td>7.1%</td>
<td>8.0%</td>
</tr>
<tr>
<td>5. Junior college, college, university, graduate school</td>
<td>11.6%</td>
<td>9.2%</td>
</tr>
<tr>
<td>6. Adult (single)</td>
<td>24.6%</td>
<td>21.5%</td>
</tr>
<tr>
<td>7. Adult (married)</td>
<td>34.8%</td>
<td>29.3%</td>
</tr>
</tbody>
</table>
SQ 3. If married: I will now ask you about your marital relationship.

1. Do you often talk to each other about the day’s events?
   1. Almost always 36.8%
   2. Often 43.4%
   3. Sometimes 17.5%
   4. Rarely 2.4%

2. Did you go shopping together during the past month?
   1. Yes 77.2%
   2. No 22.8%

3. Which of the following describes a typical conversation with your spouse?
   1. Both the wife and husband don’t talk very much. 13.7%
   2. Only the husband talks a lot. 5.0%
   3. Only the wife talks a lot. 29.0%
   4. Both the wife and husband talk a lot. 52.3%

4. To what extent does the husband participate in housework and child care in your house?
   1. He participates a lot. 18.2%
   2. He participates to a certain extent. 32.4%
   3. He participates a little. 34.9%
   4. He doesn’t participate at all. 14.5%

Q 19. I will now ask you about your parents.

1. Do your parents live with you?
   1. They live with you. 14.6%
   2. They live in the same neighborhood. 1.3%
   3. They live in a different place. (answer SQ below) 46.5%
   4. They are not alive, other. 37.6%

SQ (For those who answered 3 “they live in a different place,” please answer the following questions, ABC.)

A. Where is your parents’ house?
   Distance between you and your parents house
   Same city 23.4%, Neighboring city 9.7%, Same prefecture 22.0%
   Same district 15.3%, Other district 29.5%

B. Which of the following best describes your parents’ house?

1. Owned house 83.3%
2. Rented house. 3.7%
3. Owned Condominium. 5.0%
4. Rented Condominium. 1.6%
5. Public housing. 3.2%
6. Company house, dormitory. 0.2%
7. Apartment. 1.1%
8. Other. 1.8%

C. During this past year, how many times did you visit your parents’ house?
   1. More than once a week. 13.8%
   2. More than once a month. 29.7%
   3. At least once a year. 47.0%
   4. Never. 9.4%

2. Please write the name of the place where they lived the longest before you graduated from junior high school.
   Father
   Mother
Q 20. (Same as Q 19) I will ask you about your spouse’s parents. (Proceed to Q 21 when there is no spouse.)

 dpi Where do your spouse’s parents live? (Answer in case of a parent as well.)
1. They live with you. 5.7%
2. They live in the same neighborhood. 2.0%
3. They live in a different place. (answer SQ below) 53.5%
4. They are not alive, others. 38.8%

SQ (For those who answered 3. “They lived in a different place” is asked.)
A. Where is your spouse’s parents’ house?
   Distance between you and your spouse’s parents house
   Same city 22.4%, Neighboring city 11.0%, Same province 20.7%
   Same district 15.6%, Other district 30.4%

B. Which of the following best describes spouse’s parents’ house?
1. Private house. 85.9%
2. Rented house. 2.1%
3. Condominium. 5.1%
4. Rental apartment. 2.8%
5. Public housing. 1.5%
6. Company house, dormitory. 0.5%
7. Apartment. 0.5%
8. Other. 1.5%

C. How often do you visit your in-law’s house?
1. More than once a week. 7.6%
2. More than once a month. 21.5%
3. At least once a year. 52.8%
4. Never. 18.2%

② Please write the name of the place where they lived the longest before you graduated from junior high school.
   Father ___________
   Mother ___________

Q 21. I will now ask you about the present occupation of you and your spouse?

| Self-employed | 1. Agriculture and forestry fisheries (you 0.1%, your spouse 0%) |
|               | 2. Commerce (you 0.9%, your spouse 1.4%) |
|               | 3. Industry (you 0.6%, your spouse 0.9%) |
|               | 4. Service industry (Barbershop, cleaning, restaurant) (you 1.6%, your spouse 2.4%) |
|               | 5. Professional (General practitioner, lawyer, priest) (you 2.1%, your spouse 2.0%) |
|               | 6. Other, self-employed (you 5.3%, your spouse 5.3%) |

| Office-worker | 7. Administrator or manager (you 12.6%, your spouse 14.7%) |
|              | 8. Professional technical worker (you 5.0%, your spouse 6.2%) |
|              | 9. Clerical worker (you 7.8%, your spouse 5.3%) |
|              | 10. Sales, service worker (you 5.5%, your spouse 5.3%) |
|              | 11. Labor (you 1.3%, your spouse 1.1%) |
|              | 12. Teacher (you 1.9%, your spouse 3.2%) |
|              | 13. Government employee (you 2.9%, your spouse 5.1%) |
|              | 14. Other office-worker (you 3.8%, your spouse 3.3%) |

| Others      | 15. Part-time worker (you 9.1%, your spouse 6.4%) |
|            | 16. Full-time housewife (you 18.7%, your spouse 18.3%) |
|            | 17. Student (you 2.2%, your spouse 0.2%) |
|            | 18. Unemployed (you 16.5%, your spouse 17.7%) |
|            | 19. Other (you 2.1%, your spouse 1.4%) |
SQ 1. If you are a self-employed person/office-worker (category 1.~14.), please answer the following question.  
How many hours do you work per day?  
(For example: If you go to work at 9 am, and finish at 7 am, then you have worked 10 hours.)

9.06 hour

② Of the following two statements, which statement better expresses your relationship with your co-workers?  
1. Our relationship is limited to work. 65.0%  
2. Our relationship extends beyond work. 35.0%

SQ 2. (The following questions are only asked if the respondent is currently employed.)
① Where is your office?
☐ Prefecture □ City

Distance between your house and your office.
Same city 42.2%, Same prefecture 11.5%, Same district 27.5%, Other district 18.9%

② How long do you commute to work?  
45.67 minutes

③ Do you feel that you spend a long time commuting each day?  
1. Yes, very much 8.5%  
2. Yes, a lot 20.1%  
3. Yes, a little 25.1%  
4. No, not at all 46.3%

Q 22. Have you ever changed your occupation?  
1. Yes 55.1% 2.42 times  
2. No 44.9%

SQ If yes, of the following two statements, which statement better expresses your situation when you changed jobs?  
(If you changed jobs two or more times, answer with regards to your latest change.)  
1. It was your own decision. 81.4%  
2. It was beyond your control. 18.6%

Q 23. Of the following two statements, which statement better expresses your opinion about changing jobs?  
1. I want to change my job, if there is an opportunity. 24.7%  
2. I don’t plan to change right now. 75.3%

Q 24. I will now ask about your leisure time.  
Usually, how much time do you have to do your favorite things or relax, not including the time you spend at work, housekeeping, etc.?  
1. I have a lot of free time. 26.4%  
2. I have some free time. 42.6%  
3. I don’t have much free time. 22.4%  
4. I have almost no free time. 8.6%

Q 25. Of the following two statements, which statement better expresses how you spend your free time?  
1. I like to stay at home and relax. 62.0%  
2. I like to go out and have fun, or do a hobby. 38.0%

Q 26. Did you participate in any of the following activities in the past year, outside of work?  
1. Barbecue, camp, hike. yes (40.2%), no (59.8%)  
2. Gardening. yes (57.5%), no (42.5%)  
3. Watch a game (sports) at a stadium. yes (26.6%), no (73.4%)
4. Golf (including practice). yes (24.7%), no (75.3%)
5. Sports except golf. yes (41.4%), no (58.6%)
6. Watch a movie, see a play, or listen to music at a theater/auditorium. yes (65.9%), no (34.1%)
7. Visit a library, an art gallery, a museum, etc. yes (66.2%), no (33.8%)
8. Attend a lecture, symposium, etc. yes (38.5%), no (61.5%)
9. Travel abroad. yes (25.2%), no (74.8%)
10. Take classes (including karate, cooking, language, etc.) yes (32.2%), no (67.8%)

Q 27. Do you presently belong to any voluntary associations (a group of people/friends gathering for a hobby or a common purpose, for example, amateur baseball, hospital volunteer, etc.)?
1. Yes (40.1%)
2. No (59.9%)

SQ 1. If yes, which kind of group do you belong to?
(If you belong to two or more groups, select the group which takes the most effort.)
1. Sports team or club. 26.5%
2. Hobby group. 32.5%
3. Volunteer or charity or welfare group. 7.5%
4. Learning group. 7.2%
5. Social interest group. 10.8%
6. Other. (specify: ) 15.4%

SQ 2. What is the composition of the group?
1. People who live in the same immediate neighborhood. 11.4%
2. People who live in the same elementary school district. 5.6%
3. People who live in the same junior high school district. 4.4%
4. People who live in the same city. 18.1%
5. People who live in the same city and adjoining area. 28.4%
6. People live in the same province. 11.1%
7. People who live in the out of your province. 21.1%

Q 28. Do you have the following communication tools?
1. Cellular phone. yes (39.3%), no (60.7%)
2. E-mail address. yes (20.0%), no (80.0%)

Q 29. Which of the following best describes your opinion and behavior?
Please circle the appropriate number.

① 1. I usually conform to the opinion of others, even if my opinion is different. (42.5%)
2. I usually express my own opinion, even if it differs from the opinion of others. (57.5%)

② 1. Members of the municipal assembly should be people who were born and raised in that city, because they best know the manners and customs of that city. (29.6%)
2. Members of the municipal assembly need not be people who were born and raised in that city. Their motivation is most important. (70.4%)

③ 1. I can talk with people whom I meet for the first time without feeling shy. (61.0%)
2. I feel shy when I meet people for the first time. (39.0%)

④ 1. I usually spend time with the same friends. (50.0%)
2. I usually spend time with the different friends depending on the situation. (50.0%)

Q 30. What do you think of the following statements?
① Men should work outside the home, and women should stay home.
1. I think so. (34.6%) 2. I don’t think so. (65.4%)
Once people get their jobs, it's better not to change their jobs.
1. I think so. (40.5%) 2. I don't think so. (59.5%)

It is all right for a women to keep her maiden name after marriage.
1. I think so. (32.2%) 2. I don't think so. (67.8%)

I can't easily accept the fact that a member of my family dyes his/her hair an unusual color.
1. I think so. (58.3%) 2. I don't think so. (41.7%)

I don't want to be inconvenience by environmental protection.
1. I think so. (29.7%) 2. I don't think so. (70.3%)

When someone says something derogative about the city I live in, I feel as if what is being said is against me personally.
1. I think so. (52.0%) 2. I don't think so. (48.0%)

I always make good effort to find new friends.
1. I think so. (53.4%) 2. I don't think so. (46.6%)

It is wasteful to use disposable chopsticks.
1. I think so. (45.5%) 2. I don't think so. (54.5%)

People should have their own house, eventually.
1. I think so. (44.3%) 2. I don't think so. (55.7%)

**Face sheet**

F 1. What is your sex.
   1. male 41.9% 2. female 58.1%

F 2. What is your age. ( ) years old. 52.05 years old

F 3. What is your educational background?
   1. Junior high school (you 6.6%, your spouse 6.9%)
   2. Senior high school (you 34.4%, your spouse 34.7%)
   3. Specialist school or junior college (you 19.4%, your spouse 16.6%)
   4. University or college (you 39.6%, your spouse 41.9%)

F 4. Where are you from? (where you before graduating from junior high school)
   Where is your spouse from? (the same)
   What is the name of your state ( ) the name of your city/town ( )
   What is the name of your spouse’s state ( ) the name of your spouses city/town ( )

   The said persons hometown and birthplace.
   Same city 26.5%, Neighboring city 9.5%, Same prefecture 23.3%
   Same district 11.7%, Other district 29.0%

F 5. What is your situation? What is your spouse’s situation?
   1. The eldest son (you 21.4%, your spouse 29.2%)
   2. The eldest daughter (you have only sisters) (you 8.0%, your spouse 7.1%)
   3. Other (you 70.6%, your spouse 63.7%)

F 6. What was your house-hold income in a year? (including bonus and tax)
   1. less than ¥2,000,000 ( 5.6%) 11. ¥11,000,000 ~ ¥12,000,000 ( 4.6%)
   2. ¥2,000,000 ~ ¥3,000,000 ( 6.2%) 12. ¥12,000,000 ~ ¥13,000,000 ( 3.4%)
   3. ¥3,000,000 ~ ¥4,000,000 ( 11.6%) 13. ¥13,000,000 ~ ¥14,000,000 ( 2.8%)
   4. ¥4,000,000 ~ ¥5,000,000 ( 8.9%) 14. ¥14,000,000 ~ ¥15,000,000 ( 2.6%)
   5. ¥5,000,000 ~ ¥6,000,000 ( 7.5%) 15. ¥15,000,000 ~ ¥16,000,000 ( 3.1%)
   6. ¥6,000,000 ~ ¥7,000,000 ( 7.2%) 16. ¥16,000,000 ~ ¥17,000,000 ( 1.1%)
   7. ¥7,000,000 ~ ¥8,000,000 ( 7.6%) 17. ¥17,000,000 ~ ¥18,000,000 ( 1.1%)
   8. ¥8,000,000 ~ ¥9,000,000 ( 7.2%) 18. ¥18,000,000 ~ ¥19,000,000 ( 0.6%)
   9. ¥9,000,000 ~ ¥10,000,000 ( 6.8%) 19. ¥19,000,000 ~ ¥20,000,000 ( 1.0%)
  10. ¥10,000,000 ~ ¥11,000,000 ( 6.2%) 20. more than ¥20,000,000 ( 4.7%)
The 4-City Survey: Analyzing the effects of housing types on personal community networks
(Survey Report and Questionnaire)

ABSTRACT

This is the questionnaire of our 4-City Survey that was conducted in 1999. The purpose of this survey was to answer the following question: Is neighborhood weakened by urbanism in contemporary Japan? I would like to strongly emphasize that researchers must consider the influences of housing type when answering such a question.

In order to address this issue, I devised a new sampling method in this survey. A new four part housing typology was assumed in order to evaluate the impact of housing type on personal community networks. The typology consisted of (1) Single-unit houses in traditional residential areas, (2) Single-unit houses in suburban areas, (3) Owned condos, and (4) Public apartments. I selected four cities: Musashino, Hachioji, Matsuyama, and Nishinomiya, because each city had specific characteristic which allowed for a comparison of these four housing types. Systematic random samples of each housing type were obtained using data from census-books obtained at each city hall. After this procedure, a mailed questionnaire was conducted.

Key Words: personal community network, urbanism, housing types