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**Evaluation of AID Housing Guaranty
Loan Project of KNHC, 1973-1976**

April, 1977

Korea National Housing Corporation

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1.0 Introduction

The evaluation is of the apartment units financed by AID in Seoul and ten other cities. The aim of the evaluation is to find out the degree to which AID apartment project has accomplished goals and objectives. This will help AID and KNHC review and decide the design parameters of future AID supported apartment, refine the program as well as contribute to improvement of housing policy.

Aside from socioeconomic informations, the evaluation will attempt to study the changes in residents' lives as perceived by them since living in the apartment.

Because of the size of the questionnaire and many different types of apartments, this evaluation will be just a general overview of the result of the survey. Enough information has been gathered by the survey, therefore, for specific analysis refer to the descriptive tabulations of household interview survey results by computer work (See appendix 4)

2.0 Evaluation plan

1) AID HIG Programs for survey : AID HIG Program #001, 002, 003, and 005 and National Housing Program.

2) Dwelling units subjected for survey : 949 units

{ (See Appendix 1)

AID HIG loan Apt : 749 units

National Housing for sale and rental : 200 units

3) Questionnaire : 130 items

4) Personnel in charge of survey

a. Responsibility : Housing Research Institute, KNHC

b. Actual survey : Interviewers employed

**c. Coordination : 3 persons from the Department of Sale, KNHC
3 persons from the Department of Management,
KNHC
4 persons from the Department of Construction,
KNHC**

5) Methodology

a. Interviewers visit home and interview

b. Conduct of survey in local areas.

**Persons from the Housing Research Institute of KNHC with
staff from three Departments noted above is wholly
responsible for supervising the residence survey. Interviewers
will be employed from the appropriate local areas under
the responsibility of the manager of local management office
of KNHC**

6) Collection of data : SPSS from KIST

7) Survey schedule

a. Preparation for survey : Jan. 28 to Feb. 4, 1977

b. Actual conduct of survey : Feb. 5 to Feb. 15, 1977

c. Computer processing : Feb. 16 to Feb. 28, 1977

d. Analysis and evaluation : Mar. 1 to Mar. 31, 1977

8) Interviewer's qualification criteria

a. Qualification : College students

b. Interviewers in local area

Interviewers will be employed under the responsibility of the manager of local management office, KNHC

c. Requirement of Interviewers

Daily workload per person : 4 dwelling units

9) Preparation of questionnaire

KNHC staff in cooperation with the USAID and the FCH

3.0 Question objectives of Household Interview Survey

1-3 These questions are intended to get interviewer's subjective impression on apartment maintenance, facilities and personal hygiene of interviewee.

4-8 This set of questions provides information concerning previous community

9.11.12 These questions are for renters ; Reasons for renting and length of time they plan to be renter.

10.13 Where residents purchased the apartment and the reason for purchasing it.

15-27 This set of questions provides information on the things residents have. This information will help know what certain income groups possess.

- 28-32 This set of questions will help compare what their previous house had with that of the present apartment
- 34-41 These questions deal with things they like and dislike about their previous home and their present home. The results of these questions can be helpful to define design criteria for future apartment planning.
- 46-49 This information will provide residents' degree of satisfaction with the floor space as well as their preference for use of the extra space they want.
- 54-57 This set of questions provides information on the degree of satisfaction with heating system and residents' preference.
- 58-64 This set of questions provides information on the degree of residents' intention to participate in the evening educational program as well as their preference for the kind of education.
- 66-67 These questions are intended to see the kind of house residents want to move to in case they decide to move after their incomes increase.
- 68-69 From these questions we can see residents' attitude towards neighborhood and degree of willingness to participate in voluntary community works.
- 70-72 This set of questions are concerned with general health of children and whether their health has improved since they moved to the apartment.

- 73-74** These questions are intended to see which floor is most popular and unpopular.
- 75-76** Environmental questions
- 77-80** This set of questions are intended to see how residents spend their leisure time.
- 82-86** This set of questions are intended to get information or basic socioeconomic data including family size, age, education and employment
- 90-92** This set of questions provides information on the distance to work and method of transportation.
- 87-89** This set of questions deals with income information. Correct income
- 94-126** Information is hard to get, ^{re}therefore, the questions on expenditures
- 132** were placed at the end of the questions to double check with income.
- 133-137** These questions deal with residents' attitude toward surrounding environment as well as their feeling about monotony of Apt. living. Results of these questions can be reflected in the future site planning and apartment design.
- 141** This question will be helpful to know residents' attitudes towards raising their children in the community.
- 142-143** These questions are intended to get residents' recommendation to KNHC.

4.0 Findings from Household Interview Survey

Questions pertaining to subject area are categorized under each subject area. Refer to the form attached to the evaluation (See Appendix 2)

The major findings from the survey are categorized into six subject areas

- a. Socio-economic characteristics
- b. Income
- c. Living condition
- d. Housing preference
- e. Health
- f. Environment

From the findings in the following subsections, it could be realized what changes in residents' lives occurred since moving into new communities.

A. Socio-Economic Characteristics

(1) Family size

According to the family size living in apartment, the largest number is a family of four or 28.5% and the next larger number is a family of three or 23.8% and then an average number of family per household is 3.9 persons which is much smaller than 5.10 persons, an average family size of all urban areas based on the Korean Monthly Statistics published by EPB in 1976. This shows that family in the apartment is being formed into a nuclear family. The family size of apartment by size is as follows;

7.5 pyong apartment	2.8 persons
10 pyong apartment	3.5 persons
13 pyong apartment	4.0 persons
15 pyong apartment	3.8 persons

(2) Education level of the heads of household and their ages

The education standard and age group of occupants are of great importance in understanding their mode of life. Accordingly, in the schooling of the heads of household, the highest figure is college graduates above with 59.8% and 25.6% for high school graduates. The result indicates that 85.4% heads of household is high school graduates above with a high standard of education. Looking into ages of these people, most of the heads of household or 61.1% is in thirties. As a result of this fact, it is realized that most of the heads of household has one or two children under the formation of a nuclear family.

(3) Occupation

The occupation of the heads of households is consisted of 68.8% of company employees which represents an overwhelming majority, 10.2% of home manufacturers and 9.5% of technicians. Most of the heads of household or 85.4% are under a stabilized living condition with a firm occupation and high education standard since they have the schooling of high school graduate above. An average number of employee per household is 1.10 person. This showed that most of the head of household could support his or her housekeeping.

This figure also indicates that an average number of employee per household was somewhat less than an average number of employee per household in nationwide, 1.27 persons.

(4) Previous Residence and Motive of Occupancy

a. Previous residence

Residence prior to occupancy in apartments is consisted of 71.5% from residential areas of the downtowns of Seoul and 14.8% from the outskirts of Seoul. The types of previous housing are 75.9% single houses for the most part, 15.9% apartments and 8% row houses.

b. Motive of occupancy

Looking into the motive of their occupancy, the following reasons are met;

First ; The highest number of case is 40.2% of which occupants were not able to purchase their single houses due to lack of purchasing fund.

Second ; There is 24.4% case of which occupants have tried to change the mode of their life and living conditions.

There is a remaining 13.4% cases of which occupants moved in apartments on the excuse of a low cost apartment.

In terms of change on motive of occupancy by year, the ratio of occupancy become a great number from 11.2% in 1973 to 16.7% in 1976 on the excuse of a low cost apartment and that of occupancy due to lack of fund to purchase single house become higher percentage from 8.8% in 1973 to 49.8% in 1976.

(5) Evening Education Program

About 50 percent of respondents desire to participate in the evening education if it is available. Among family members whose a particular interest was paid are housewives with 50.6%. If we break down the types of a desirable education course, 36% for sewing technique, 15.5% for small scaled commercial business, 8.9% for drafting technique and 8.1% for primary education course are desired respectively. Particular, much interest on sewing technique of housewives shows many fields used in daily dwelling life. At the same time, if this course is attained, it is believed that housewives may make use of sewing technique as family business. The time to be able to devote to the evening education programs of interviewees indicates 56.2% for 2 hours, 22.7% for 5 hours a week.

(6) Neighbourhood

Apartment life in cities is believed to be maintained less friendly relations with neighbouring occupants. Survey results show 44.0% for no relations with neighbouring occupants, 33.6% for maintaining better relations, especially 67.9% for no-friendly relations with

neighbouring occupants of apartments built in 1976. It is believed that the high frequency of 67.9% is shown owing to the short occupanay period after moving to the apartment.

B. Income

(1) Average household monthly income by Apt. type

as of February 1977	
Apt. Type	Average monthly income
7.5 pyong	49,576
10 pyong	61,149
13 pyong	77,712
15 pyong	84,306
22 pyong	210,000
Average	85,624

Average total household monghly income for residents in cities is W98,420 based on EPB Report in July-September 1976. The average household monthly income of residents of apartments is W85,624. From the table above we can see that most residents of 7.5 py and 10 py are in the low income bracket.

Accurate information on the household income is hard to get because interviewees are reluctant to disclose their actual income. Questions were asked if they have other sources of income so that correct income could be estimated. Most salary or wage earners (78.7%) earned bonus. The amount of bonus could be as high as 400% of their monthly salary a year. 18.2% gets interest from loans and 20% have other sources for income. The above income figures as of February, 1977 are slightly higher than those income levels of 1976 eligible to buy apartments by type.

(2) Expenses

Monthly expenditures and yearly expenditures were asked but because most families do not keep accounting book, the figures were just a rough estimate and were incorrect. The purpose of asking about expenditures was to find out how accurate their declared incomes were. For most cases total monthly expenditures came out to be slightly higher than the monthly income except for 22 py Banpo Apartments.

(3) Gye

39.5% of residents interviewed answered that their household member belonged to Gye and they pay on the average W14,779 per month. Purpose for belonging to Gye are as follows

- 1) Purchase of housing 36.7%
- 2) Savings 22.3%
- 3) Education 16.4%

(4) Savings

Average total amount of saving is W793,000. Most residents are able to save about W13,341 a month. Because most residents are officeman, their monthly income is stable and predicatable. Therefore, they can regulary save from their income

C. Living conditon

Majority of residents(73.7%) lived in single dwelling unit and most of them were renters before moving to the apartment house. Therefore, apartment is very different living environment. Informations on the degree of satisfaction of residents since moving to the apartment would be an important factor in assessing the degree to which apartment projects have accomplished its objectives.

(1) Maintenance of apartments, streets, gardens, and other public areas

The apartment are maintained by thw KNHC personnel. They are resonsible for security, maintenance of public areas. cleaning of streets and gardens and etc. About 97% of residents interviewed feel that apartment building are adequately or somewhat adequately maintained. 75% of residents interviewed feel that streets. gardens and other public areas are adequately maintained. From these informations we can assume that maintenance of apartments by the KNHC personnel is generally satisfactory.

(2) Apartment community physical design

31.7% of residents interviewed chose good community physical design as the thing they liked most in the present community. 25.8% chose poor community design as the thing they liked least

in the previous community. From these figures we can see that quite many residents are concerned about the community physical design, and apartment community physical design is much better than that of previous community. However, many of residents(65.2%) interviewed feel that apartment buildings and their surrounding spaces are monotonous. Even though there is definite improvement in community physical design, there should be more concern to make apartment less monotonous.

(3) Location of work and means of transportation

Most locations of work of head of household are over 5 Km (72.5%) Majority of residents (81.4%) use bus as a means of transportation to work. The reason why the locations of work are far away is that apartment are built on outskirts of cities. However, few residents(9.7%) feel that distance to work is the major inconvenience in living in the apartments. Since most apartments are built on the area where surrounding areas are not fully developed, bus service is not satisfactory. Many residents feel that bus service should be improved.

(4) Leisure time

Most families (70.9%) spend their leisure time by watching T.V. or reading books and few families (10.5%) replied that they have no leisure time. Most residents spend very little time on sports or movies and other recreation. The reason for their inactiveness during their leisure time may be because most residents are low income class. They go out for picnic maybe once or twice a year and they spend very little money on recreation.

(5) The things that most families possess

Clocks	95.7%	Electric phonograph 43.1%
Radio set	94.7%	
TV Set	91.6%	
Electric iron	90.1%	
News paper	88.9%	

In the past only middle or high income people could afford TV. set. However, nowadays any income class can afford TV set. Therefore, most TV programs are made not for specific group, instead the programs are made so that people can enjoy. TV has become a part of family living necessities.

Because of rapid development of electronic industry in Korea, many families can afford to buy electronic equipments such as radio, TV, phonograph and etc. at low price, and also they can be purchased by monthly payment.

The fact that 88.9% of residents read newspapers, indicated that most families are interested in and are aware of what is happening in the society.

(6) Children's living standard

About 47% of residents interviewed think that their children enjoy better standard of living than before and 44% think that it is about same.

In the apartment community, children play mostly in house (57.3%) and in playground (34.3%). The reasons why playgrounds are not very much used is because most heads of household are young and many of their children are too young to play in playgrounds without someone looking after them.

The street in the apartment community is much safer for children because there is very little automobile traffic. 95.3% of residents interviewed feel that living in the apartment community will help their children have a better future. From these informations we can generally conclude that for majority of families their children are better off than in the previous community.

D. Housing preference

The type of traditional housing units in Korea is generally said to be single house because it is familiar with dwelling life in single house. By constructing and supplying continuously apartment units since the Korea National Housing Corporation had constructed the Mapo apartment in Mapo area in 1962, it makes better recognition on apartment unit for public opinion. Particularly, the construction and supply of apartment units for lower income group on a large scale by the K.N.H.C. for a few years, has been encouraged by low income group in urban areas. The taste for type of housing units resulted from survey will be reflected in the future housing construction.

(1) Residence prior to moving to apartment

If we break down the type of housing units prior to moving to apartment.

a. Previous residence

It is indicated by 70.6% for residential area in city and 14.8% for suburban area.

b. Type of housing units

Looking into the type of housing units prior to occupancy, single house is for 73.7% for the most part and 17.3% for occupants moved from other apartment.

(2) Size of apartment units

The size of apartment units is ranging from 7.5 pyong (24.75M²) to 22 pyong (72.6M²). If we break down the response in the size of apartment units, it is shown by 38.5% for satisfactory, 61.5% for dissatisfactory lacking in demands, which indicate too small size to live in 7.5 pyong (24.75M²) to 13 pyong (42.9M²) apartment because an average size of family is 3.9 persons.

(3) Type of heating system

The heating facilities is said to be divided into "Ondol" coal briquette system and central heating system. Satisfactory frequency including national housing is shown by 65.1% for "Ondol" coal briquette system and 81.9% for central heating system. Particular, 34.9% of interviewees equipped with "Ondol" coal briquette system show dissatisfaction on heating system and, therefore, 29.7% of them

are willing to pay more money for central heating system.

(4) Housing preference

Housing types are to be selected according to the correlation of housing price, income and location, etc.

a. Housing price and housing selection

Assuming that housing price of row houses is more expensive by about 20% than that of apartment in terms of same size and location, it is indicated that 28.2% of interviewees desire to select row house more than apartment.

b. If income increases, 54.7% of occupants of apartment would move to another place and 27.1% would be willing to stay in the apartment.

c. If income increases, housing type to move to another place is shown by 53.5% for single dwelling unit, 46.5% for bigger apartment

d. Occupants residing in the same apartment building, would prefer to live mostly on the 2nd and 3rd floor.

Preference ratio is as follows;

2nd floor	55.7%
3rd floor	32.0%
1st floor	9.8%

- e. Surrounding environment of apartment building is inclined to give monotony and uniformity. 65.2% of interviewees has felt that apartment building and surrounding environment are monotonous and, therefore, their opinions to desire the apartment design are as follows;

Mix different type of apartment building within the community	32.4%
Mix different unit type within a building	31.5%

E. Health

Apartment in which many people enjoy a community life with highly populated density has arisen many health and hygienic problems.

(1) General health conditions

Interviewer's subjective impression on interviewee's personal hygiene, is indicated to be 46.3% for good condition and 50.3% for fair condition which show very good response. Otherwise, children's health condition is 61.6% for good and 35.9% for fair.

(2) Conditions related to health conditions

Survey results in connection with the healthy and hygienic conditions are as follows;

a. Clean air

It is shown on the survey that clean air of neighbouring environment is 71.3% for good against the previous residence. It is believed that the above result was made since apartment complexes built by KNHC are generally located far away from the central city area and have no air pollution elements.

b. Maintenance of common-use area

Common-use areas which get dirty easily and bring a bad effect indirectly on health conditions in the enjoyment of a collective life are adequately maintained by KWHC. Therefore, response of interviewees is shown by 75.4% for adequate maintenance and 22.6% for negative response.

(3) Children's health conditions after moving to apartment.

Children's health condition after moving to apartment is somewhat improved (See table #72) and response that apartment life is said helpful for children, is indicated by 95.3% (See table #141). This result shows a good future prospect for children's health conditions.

F. Surrounding environment

(1) Environmental condition

a. Clean air

71.3% of interviewees express their opinion that clean air surrounding apartment building compared to the previous residence is somewhat or good condition, which shows that there is no problem of air-pollution.

b. Safety

In terms of crime and vandalism compared to the previous community, it is indicated by 67.6% for somewhat or much safer response, 23.7% for same and 2.7% for worse. This result shows a good response.

c. Recreational facilities

The recreational facilities surrounding apartment building are indicated to be 7.7% for the lack of recreational facilities. It is believed to be difficult to install the amusement facilities and cinema theatres because the apartment area is an exclusive residential area.

d. Monotony and uniformity

67.7% of interviewees express their opinion that apartment environment is monotonous and uniform.

(2) Future prospect of surrounding environment

83.7% of interviewees on questionnaire for future surrounding environment of apartment building are thought to be improved in the future and, particularly, 94.6% of occupants of apartment constructed in 1976 have good prospect that apartment surrounding environments will be improved because the questionnaire of 1976's apartment units was made under the unfinished civil and landscaping work.

5.0 General Conclusion and Recommendation

The major criticism on the questionnaire is its size. There are too many questions and it takes too much of interviewee's time. Some of the questions takes too long to answer or think about. For the future use, the number of questions has to be reduced. Some of the questions which are not really essential for the evaluation should be eliminated and based on the result of this survey the language has to be clarified

for some of the questions because the way the questions are asked seems to have some influence on interviewee's reply. Since the data was processed by computer using SPSS program, some of the questions weren't suitable for the computer process. Therefore, the questions have to be revised to suit the computer.

Enough information has been gathered from the survey. Based on the informations the evaluation was broad and general. For specific analysis one can refer to the descriptive tabulations attached to the evaluation. And for single or multiple correlations between questions, computer can easily be used because the data is already stored in the package.

Based on most of the questions from which changes in resident's life can be measured, it seems that most residents are better off in certain ways. Certain inconveniences such as bus service, shopping, poor security, lack of public facilities and etc. are caused not by the design of the apartments but because of the fact that surrounding areas are not fully developed.

The survey was conducted during winter season and at the time. Construction works on 1976 AID HIG apartments weren't quite finished. These could have certain effects on residents' reply on questions concerning access, surrounding environments and etc. Most residents have positive attitude about the future of their neighborhood, therefore, we can hope for better community environment in the future.

The surveys which will be carried on later stage will help assess the changes certain communities have gone through.

Many hope that apartment buildings and their surrounding spaces become more interesting. For future apartment planning, designers should be more concerned about creating spaces which can be exciting and usable in order to create healthier community.

Appendix - 1

Survey Plan by Area

Description	By area	Name of apartment	Construction year	By size	Total units constructed	Units to be surveyed	Remark
AID loan project	Seoul	Banpo	1973	22pg (heating)	1,490 units	80pg units	
		Youngdong	1974	15pg (heating)	1,400 units	10	
		Jamsil (bloc #2)	1975	13pg (ondol)	3,100 units	25	
		Jamsil (bloc #3)	1975	15pg (ondol)	3,000 units	24	
		Dogok	1976	10pg (ondol)	600	15	
		Dogok	1976	13pg (ondol)	1,000	79	
		Jamsil (bloc #1)	1976	7.5pg (heating)	500	59	
		Jamsil (bloc #1)	1976	10pg (heating)	600	60	
		Total			11,690	352	
	Kyunggi province	Dowha, Incheon	1975	13pg (ondol)	200	5	
		Dowha	1975	15pg (heating)	300	5	
		Juan	1976	13pg (ondol)	440	50	
		Sub-total			940	60	
		Whasun, Suwon	1975	13pg (ondol)	270	10	
		Total			1,210	70	
	Kyungnam province	Joongdong, Busan	1974	13pg (ondol)	300	5	
		Joongdong	1974	15pg (heating)	700	5	
		Anrakdong	1975	13pg (ondol)	270	10	
		Sub-total			1,270	20	
		Guamdong, Masan	1976	13pg (ondol)	200	130	
		Total			1,470	150	

	Kyungbuk province	Pyungri, Daegu	1978	13pg (ondol)	200	5	
		Manchon	1974	15pg (heating)	300	5	
		Naedong	1975	13pg (ondol)	530	118	
		Sub-total			1,030	128	
		Shinjung, Woosan	1975	13pg (ondol)	400	11	
		Total			1,430	139	
		Choong chung area	Gayang, Daejun	1974	13pg (ondol)	250	19
	Cholla area	Ssangchon, kwangju	1974	13pg (ondol)	100	23	
	Grand Total				16,100	750	
	National housing project	Seoul	Jamsil (bloc #4)	1975	17pg (ondol)	2,410	99
Jamsil (bloc #1)			1976	13pg (ondol)	1,000	50	
Sub-total					3,410	149	
Kyungnam province		Kaegum, Busan	1976	13pg (ondol)	520	25	
Kyungbuk province		Hyomok, Daegu	1976		500	25	
Total					4,430	199	
Grand total						20,530	949

Appendix - 2

Brief Descriptions of Each Questions and Classification by Subject Area

Appendix-2 . Brief Descriptions of Each Questions and Classification by Subject Area

Contents of Questions	Living cond.	Socio-econo.	Income	Health	Attitude	Housing prefer.	Environment	General*
1. Interviewer's subjective impression on apt. management, and maintenance	x							
2. Interviewer's subjective impression on apt. facilities	x							
3. Interviewer's subjective impression on personal hygiene of interviewee				x				
4. Previous address		x						
5. Length of residence in previous house		x						
6. Previous house type		x						
7. Previous occupancy status		x						
8. Previous community		x						
9. Occupancy type		x						
10. Method of apt. purchase		x						
11. If renter, what are the reasons for rent		x						
12. How long plan to be renter		x						
13. Motives of moving to the apt.		x				x		
14. Intention of using apt. as collateral								x
15- Items residents possess 27	x		x					
28- Items residents had in the previous 33. houses	x		x					
33. The most important difference between this apt. and the previous house	x	x				x	x	
34. The things residents liked most in the previous community	x	x				x	x	
35. The things residents liked least in the previous community	x	x				x	x	
36. The things residents like most in this community	x	x				x	x	
37. The things residents like least in this community	x	x				x	x	
38. The things residents like most in the previous house	x	x				x	x	
39. The things residents like least in the previous house	x	x				x	x	
40. The things residents like most in the present apt.	x	x				x	x	
41. The things residents like least in the present apt.	x	x				x	x	

Contents of Questions	Living cond.	Socio-econo.	Income	Health	Attitude	neighbouring prefer.	Environment	Generally
42. The change in employment of head of the household since moving to the apt.		x						
43. Interviewee's feeling on apt. maintenance	x							
44. Interviewee's feeling on the maintenance of streets, gardens and other public areas	x							
45. Floor of interviewee's apt.								x
46. Floor space of interviewee's apt.								x
47. Sufficiency for present need of space	x							
48. Willingness to pay for a bigger apt.		x				x		
49. Use of the additional space	x	x				x		
50. Change in living standards since moving to the apt.	x							
51. Change in children's living standards since moving to the apt.	x							
52. Children's play area	x							
53. Length of residence in the apt.		x						
54. Heating system of the apt.	x							
55. Satisfaction with the present heating system	x							
56. Reason for dissatisfaction with heating system	x							
57. Willingness to pay for central heating	x		x					
59. Type of educational programs preferred		x						
60. Willingness to pay for educational program		x						
61. Amount of money residents can afford each month for the educational program		x	x					
62. Member of the family interested in the program		x						
63. Type of education preferred		x						
64. Time able to devote to such training		x						
65. Preference for row house						x		
66. Willingness to move in case income increases		x			x			
67. In case of moving, type of house preferred						x		
68. Interviewee's attitude on the future neighborhood environment					x			
69. Willingness to participate in voluntary community works					x			

Contents of questions	Living cond.	Socio-econo.	Income	Health	Attitude	Housing prefer.	Environment & Facilities
70. Children's health condition				x			
71. If bad, what health problem				x			
72. Improvement of children's health problem since moving to the apt.				x			
73. Willingness to move to another floor						x	
74. Floor preferred						x	
75. Air condition compared to previous community	x						x
76. Crime and vandalism compared to previous community	x						x
77. How to spend leisure time in the apt.		x					
78. How to spend leisure time in the previous community		x					
79. Recreational facilities near the apt.	x						
80. Recreational facilities near the previous community	x						
81. Familiarity with neighbours		x					
82. Number of family member		x					
83. Age of head of household		x					
84. Educational level of head of household		x					
85.-1 Occupation of head of household		x					
85.x2 Nature of works of head of household		x					
86. Number of family members employed		x					
87. Average monthly income of household			x				
88. Average monthly income of family member other than that of head of household			x				
89. Monthly household income in previous house			x				
90.1 Distance to head of the household's work		x					
90.2 Distance to other family member's work		x					
91.1 Head's means of transportation to work		x					
91.2 Other family member's means of transportation to work		x					
94. Total amount of savings			x				
95. Amount of monthly savings			x				
* 96-105 Plan to use savings							
96. Education		x					
97. Dwelling		x					

Contents of Questions	Living cond.	Socio- econo.	Income	Health	Attitude	Housing prefer.	Environment	General
98. Business		x						
99. Emergency		x						
100. Marriage		x						
101. Medical		x						
102. Purchase of real estate		x						
103. Investment on security		x						
104. Children's education		x						
105. Other		x						
106. Loan commitments other than to KNHC			x					
107.- Amount and purpose of Loan and 109. monthly repayment ability			x					
110. Estimate of current sales value of the apt.		x						
111. Largest household expenditure			x					
112.- Sources of household income 116.			x					
117. Total household income for last year			x					
118.- The method of financing the apt. 119. purchase			x					
120.- If renter, amount of payment 121		x						
122. Household members belong to gye		x	x					
123. How many gye			x					
124. Amount they pay to gye each month			x					
125. Reason for belong to gye		x	x					
126. Amount Gye pays			x					
127. Rent any space to other persons		x	x					
128. If yes, how many persons		x	x					
129.- Rent per month, key money 131.			x					
132. Amount resident spent on each item			x					
133. Residents' feeling about the apartment & their surrounding spaces					x	x	x	
134. Question of monotony					x	x	x	
135. If monotonous, does this bother residents psychologically or visually					x	x	x	
136. Pleasantness of previous community						x		

Contents of Questions	Living cond.	Socio- econo.	Income	Health	Attitude	Housing prefer.	Environment	General
137. Monotony of previous community						x		
138. If monotonous, the things residents want to see being done about it						x		
139. Have residents thought of leaving								x
140. Reasons for thinking of leaving								x
141. Is this community better for children's future					x			
142. What could KNHC do to improve the living conditions in this apartment					x			
143. What should KNHC do to make future projects better					x			

Appendix - 3

Questionnaire of Household Interview Survey

1. Interviewers subjective impression of quality of maintenance of apartment.
(cleanliness, any obvious repairs needed, etc)

- 1) excellent
- 2) good
- 3) fair
- 4) poor

2. Interviewers subjective impression on furniture conditions

- 1) new
- 2) partially new
- 3) old

3. Interviewers subjective impression of personal hygiene of respondent

- 1) good
- 2) fair
- 3) poor

4. Previous address

- 1) central
- 2) suburban
- 3) others

5. How long did you live there?

- 1) less than one year
- 2) one year to three year
- 3) 3 year to 5 year
- 4) more than 5 years

6. What type of houses did you live in

- 1) single dwelling unit
- 2) Row housing unit
- 3) Apartment unit
- 4) One room
- 5) others (specify)

8. What kind of community was your previous house in?

- 1) Central business area
- 2) Central residential area
- 3) Central squatter area
- 4) Suburban business
- 5) Suburban residential area
- 6) Suburban squatter area
- 7) Others

9. Do you own this apt. or do you rent?

- 1) own
- 2) Jeon Sae

10. If you are the owner of this apartment, did you buy it from KNHC when the building was built or did you buy it afterwards from another earlier purchaser?

- 1) I bought it when the Apt. was built
- 2) I bought it from another

11. If you are a renter, why did you decide to rent this apt. house rather than buy one?

- 1) Lack of funds for
 - a) down payment
 - b) monthly payment
- 2) couldn't find a house
- 3) Funds available but failed in sales competition
- 4) Prefer to rent
- 5) Other (Specify)

12. How long do you plan to be a renter?

- 1) less than 6 months
- 2) 6 months - 1 year
- 3) 1-2 years
- 4) 2-5 years
- 5) indefinite
- 6) don't know

13. What were the motives of your moving to this apt. house?
(Check relevant ones and assign priorities)

- 1) Not able to buy a single dwelling unit because of lack of funds
- 2) Near to school
- 3) Near to work
- 4) Near to relatives or friends
- 5) To change life style or living condition
- 6) Price was reasonable
- 7) Other (Specify)

14. Have you thought of using your apt. house as collateral for financing purpose?

- 1) Yes.
- 2) No.

* Please check which one of the following you have at home.

- 15. T.V. set
- 16. Radio Set
- 17. Telephone
- 18. News Paper
- 19. Electric Phonograph
- 20. Bicycle
- 21. Automobile
- 22. Clocks
- 23. Refrigerator
- 24. Magazine
- 25. Pussing iron (Electric)
- 26. Sewing machine
- 27. Wash Machine
- 28. Flush toilet
- 29. Balcony or garden
- 30. Bath or wash area
- 31. Water tap
- 32. Central hot water heating
- 33. What is the most important difference between this apartment and where lived previously?
 - 1) Central heating
 - 2) Inconvenience
 - 3) My own house

- 4) Lack areas
- 5) Unsatisfaction with neighbours
- 6) Clear air
- 7) Poor design
- 8) Good design
- 9) Others

34. In the community where you lived previously, what are the five things you like most (assign priorities)
priority - first

Good community physical design
or arrangement
Bus service
Distance to work
Distance to school
Clean air
Good Streets
Good water, electricity & sewers
Parks
Public bath & other facilities
Pice atmosphere
Play areas
Markets & shopping
Friendly neighbors
Local employ-ment opportunities
Fire Protection
House security
Local leisure time opportunities
Medical facilities
Other

35. What are the five things you liked least?
(assign priorities) priority - first

Poor community physical design or arrangement
Bus service
Distance to work
Distance to school
Air Pollution
Poor Streets
Poor water, electricity & sewers
Poor bath & other facilities
Poor Atmosphere
Lack of play areas
Poor markets & shopping
Unfriendly neighbors
Lack of local employment opportunities
Poor fire protection
Poor house security
lack of local leisure time opportunities

36. In this community where you now live,
What are five things you like most? (assign priorities)
Priority-first

Good community physical design or arrangement
Bus service
Distance to work
Distance to school
Clean air
Good Streets
Good water, electricity & sewers
Parks
Public bath & other facilities
Poor atmosphere
Play areas
Markets & shopping
Friendly neighbors
Local employment opportunities
Fire protection
House security
Local leisure time opportunities
Medical facilities
Other

37. What are the five things you like least?
(Assign priorities) Priority-first

Poor community physical design or arrangement
Bus service
Distance to work
Distance to school
Air pollution
Poor Streets
Poor water, electricity & sewers
Poor bath & other facilities
Poor atmosphere
Lack of play areas
Poor markets & shopping
Unfriendly neighbors
Lack of local employment opportunities
Poor fire protection
Poor house security
Lack of local leisure time opportunities
Lack of medical facilities
Other

38. In the house where you lived previously,
What are the things you liked most?
(assign priorities) - first

Low cost
Size
Nice design

Plan
Good access
Garden or balcony
Good sun
Good community
Other

39. The things you liked least (assign priorities)
Priority - first

High cost
Small size
Poor design
Poor plan
No garden or balcony
Noise
No sun
Bad odors
Bad community
Other

40. In this house where you are now living,
What are the things you like most
(assign priorities) - first

Low cost
Size
Nice design
Plan
Good Access
Garden or balcony
Good sun
Good community
Other

41. The things you like least
(Assign priorities) - first

High cost
Small size
Poor design
Poor plan
Poor access
No garden or balcony
Noise
No sun
Bad Odors
Bad community
Other

42. Does the head of this household work in the same place that he did where you lived previously?

- 1) Yes.
- 2) No.

43. Do you feel the building is adequately maintained?

- 1) Yes.
- 2) Somewhat
- 3) No.
- 4) Others

44. Do you feel the streets, gardens and other public areas are adequately maintained?

- 1) Yes.
- 2) Somewhat
- 3) No.
- 4) Others

45. On which floor is your apt. located? _____ floor

46. What is the total floor space of your Apt? _____ Pyong

47. Is this floor space sufficient for your present need?

- Yes.
- No.
- Others

48. If no, would you be willing to pay more for a bigger apartment?

- Yes.
- No.
- Yes, but I don't have the funds

49/ And for what purpose would you use the additional space?
(Assign priorities) - first

- 1) room for furniture
- 2) privacy
- 3) General lack of comfort
- 4) Other

50. Is your living standards better than before moving to this apartment houses?

Yes.

No.

Same

51. Do you think your children enjoy a better standard of living herethan where you lived before?

- 1) Very much
- 2) Somewhat
- 3) Not much
- 4) Worse

52. Where do your children play mostly?

- 1) in the house
- 2) in Street
- 3) Playground
- 4) Garden
- 5) Other (specify)

53. How long have you been living in this apt. house?

- 1) less than 6 months
- 2) 6 months-1 year
- 3) 1 year to 2 years
- 4) 2-5 years
- 5) Over 5 years

54. Please mark what kind of heating in your apt. house

- 1) Central hot water
- 2) Ondol briquette

55. Are you satisfied with your present heating system?

Yes.

No.

(Specify)

Other

57. For Ondol-briquette heated unit only:

You may know that central heating requires on initial down payment of _____ and an additional monthly payment of _____, would you be willing to pay this and are you satisfied with what you have?

- 1) Willing to pay
- 2) Satisfied
- 3) Other

58. If there were evening educational programs in your community, would you attend?

- 1) Yes.
- 2) No.

59. If yes, what type of educational programs would you be interested in?

- 1) Completion of elementary school
- 2) Completion of middle school
- 3) Completion of high school
- 4) Carpentry training
- 5) Auto mechanics training
- 6) Drafts training
- 7) Household management
- 8) Secretarial training
- 9) Sewing
- 10) Small business training
- 11) Other (Specify) _____

60. Would you be willing to apply for such educational programs?

- 1) Yes.
- 2) No.

61. If yes, then how much do you think you could afford for month? W _____

- 1) less than 1,000 won
- 2) 1,000-3,000 won
- 3) 3,000-5,000 won
- 4) more than 5,000 won.

62. What other family members do you think would be interested in taking evening course?

- 1) Parents of head
- 2) Head's wife
- 3) head's brother and sister
- 4) Children of head
- 5) Head
- 6) Others

63. If yes, what type of educational programs would you be interested in?

Completion of elementary school
Completion of middle school
Completion of high school
Carpentry training
Auto mechanics training
Drafts training
Household management
Secretarial training
Sewing
Small business training
Other

64. How much time would you be able to devote to such training?

One hour 5 times a week
One hour 2 times a week
Only on weekends
Other (specify) _____

65. Assume that row houses are 20% more expensive than the apartment you are in now, would you prefer to live there than here?

Yes.
No.

66. If your income increases considerably, would you be willing to stay or would you move to another place?

1) Stay
2) Not sure
3) Move

67. If you were to move, would you prefer to bigger apt. or a single dwelling unit?

1) Bigger apt.
2) Single dwelling unit

68. Do you think that the neighborhood is going to improve or deteriorate in the future?

1) Yes.
2) No.
3) Please give reasons

69. Would you be willing to participate in voluntary community works such as cleaning streets, planting trees and etc. around your neighborhood?

1) Yes.
2) No.

70. How is the general health of your children?

- 1) Good
- 2) Fair
- 3) Bad

71. If bad, what particular health problems do they have?

72. Has the general health of your children improved since your family moved to this apt.?

- 1) Considerably
- 2) Somewhat
- 3) No difference

73. At existing prices, would you move to another floor if you had the opportunity?

- 1) Yes
- 2) No.
- 3) Others

74. If yes, which floor? (assign priorities)

- 1) 1st
- 2) 2nd
- 3) 3rd
- 4) 4th
- 5) 5th

75. How do you feel about, the air around your apt. compared to that of your previous community?

- 1) much better
- 2) somewhat better
- 3) same
- 4) worse

76. Do you feel safe here in terms of crime and vandalism compared to your previous community?

- 1) much safer
- 2) somewhat safer
- 3) same
- 4) worse
- 5) Others

77. How does your family spend leisure time?
(Where you live now)

- 1) Movies
- 2) Sports
- 3) No leisure time
- 4) TV or read
- 5) Visit friends & relatives
- 6) Other (specify)

78. How does your family spend leisure time?
(where you lived previously)

- 1) Movies
- 2) Sports
- 3) No leisure time
- 4) TV or radio
- 5) Visit friends & relatives
- 6) Other (specify)

* Are there recreational facilities near your house?

79. Where you live now

- 1) Yes.
- 2) No.
- 3) Others

80. Where you lived previously

- 1) Yes.
- 2) No.
- 3) Others

81. Are you familiar with your neighbors?

- 1) Yes
- 2) No
- 3) Not yet

82. How many family members do you have?

- 2 persons
- 3 "
- 4 "
- 5 "
- 6 "
- 7 "
- 8 "
- 9 "

83. The age of head of households?

84. Schooling of head of household?

- 1) Under elementary school
- 2) middle school
- 3) high school
- 4) 2 years college
- 5) college & university

85-1 Occupation of head of household?

- 1) Unemployed
- 2) Temporarily employed
- 3) Unskilled worker
- 4) skilled worker
- 5) Student
- 6) Teacher
- 7) Technician
- 8) Office man
- 9) Company & domestic
factory

85-2 Nature of work office of head of household?

- 1) Public servant
- 2) Manufactures
- 3) Construction
- 4) Banking & Commerce
- 5) Retail shop owner
- 6) Service
- 7) Public business
- 8) Transportation
- 9) Other

86. How many employed families do you have? _____ persons

Household Composition

A	B	C	D	E	F	G	H	I
	Relationship to Head of household	Age	Sex	Educational level achieved	marital status	Occupation	If employed nature of work	Approx. monthly income

Name

#1
#2
#3
#4
#5
#6
#7

1. If wage earner - mark "WE"
Self employed - mark "SE"
Student - mark "S"
Unemployed - mark "U"

2. If construction related - mark "C"
Manufacturing - mark "M"
Clerical - mark "CL"
Retail shopowner - mark "R"
Service (or Artisan - mark "S")
Other - mark "O" and specify _____

87. Total household monthly income W_____

89. What was your total household monthly income before you purchased or rented this apartment?

W_____

90-1-90-2 Location of work and means of transportation

at home	within 1 Km	1-5 Km	5-10 Km	Means of transportation
				on foot Bus Taxi Train subway others

94. How much have you managed to save up to now? W _____

95. How much are you able to save each month? W _____

96-105. How do you plan to use your savings?
please give percentage of your total savings to each item.

96. education

97. dwelling

98. business

99. emergency

100. marriage

101. medical

102. others

103. purchase of property

104. bond investment

105. school fee for children

106. Do you have any loan commitments other than to KWHC?

Yes.

No.

107-109 If yes, please fill the space below

	Purpose of loan	Monthly payment
1)	Capital for other business	
2)	Purchase of house	
3)	Investment	
4)	Others	

110. What is your best estimate of the current sales value of this apartment?

W _____

111. What were your largest household expenditures where you lived previously and where you live now?

- 1) Food & beverage
- 2) Housing
- 3) Fuel & light
- 4) Clothing
- 5) Education
- 6) Taxes & Debt Interest
- 7) Others
- 8) Total

112-116. We need to get some idea about the sources of household income. Please indicate whether any household income comes from the following sources last year.

112. Salaries

Yes.
No.

113. Bonus

Yes.
No.

114. Any business income

Yes.
No.

115. Interest from loans

Yes.
No.

116. Other sources

Yes.
No.

117. Please estimate which of following categories best represents your total household income for last year.

- 1) less than 100,000 won
- 2) 100,000 to 250,000 won
- 3) 250,000 to 500,000 won
- 4) 500,000 to 1,000,000 won
- 5) 1,000,000 to 1,500,000 won
- 6) 1,500,000 to 2,000,000 won
- 7) over 2,000,000 won

118-119 If you purchased this apartment, how did you finance the purchase?

- 1) Return of Key money from previous residence
- 2) Cash from savings
- 3) Cash from sale of other property
- 4) Loan from bank
- 5) Loan from other sources
- 6) Other (Specify)

* If you are a renter, how much are you paying?

For rent monthly W _____
Key money W _____

120. Key money

- 1) Less than 300,000
- 2) 300,000 to 500,000
- 3) 500,000 to 1,000,000
- 4) more than 1,000,000

121. For rent monthly

- 1) less than 5,000
- 2) 5,000 to 10,000
- 3) 10,000 to 15,000
- 4) more than 15,000

122. Have any household members ever belonged to Gye?

Yes
No

* If yes, answer the following questions

123. How many Gye do they belong to now?

- 1) one
- 2) two
- 3) three
- 4) four
- 5) None

124. How much do they pay to Gye each month? W _____

125. Do they belong to gye for special purposes?

- 1) purchase of housing
- 2) Education
- 3) Savings
- 4) Purchases of Furniture
- 5) Debt repayment
- 6) Business
- 7) Others

126. How much does the Gye pay? W _____

127. Do you rent any space or rooms in this apartment to other persons?

Yes.

No.

128. If yes, how many persons?

- 1) one persons
- 2) two persons
- 3) three persons
- 4) four persons

129-131 If yes, what is the rent per month?
Key money?

Rent for month W _____
Key money W _____

132. Please fill the amount you spent on each item below last month and last year.

	Item
Expenses	entertainment
	Transportation
last month	Food and beverages
	Rent
	Fuel, water and electricity
	Miscellaneous
	Debt repayment
	Other (specify)
Expenses	Entertainment
	Transportation
last year	Food & beverages
	Rent
	Fuel, water and electricity
	Miscellaneous
	Debt repayment
	Other

133. How do you feel about the apartment building and their surrounding spaces?
- 1) very pleasant
 - 2) just so-so
 - 3) unpleasant
134. Do you feel they are monotonous?
- 1) Yes.
 - 2) No.
135. If yes, does this bother you psychologically or visually?
- 1) Yes
 - 2) No
136. Was the area where you lived before more or-less pleasant?
- 1) more
 - 2) same
 - 3) less
137. Was the area where you lived before more or less monotonous?
- 1) more
 - 2) same
 - 3) less
138. In the case of 135-1, what do you want to see being done about it?
(assign priorities)
- 1) mix different unit type within a building
 - 2) mix different type of apt. building within the community
 - 3) mix highrise apt. and low rise apt. within the community
 - 4) mix different income and age group within the community
139. Have you ever thought of leaving this apt. by any chance?
- 1) Yes
 - 2) No
140. If yes, what are the reasons?
- If no, what are the reasons?
141. Do you think living in this community will help your children have a better future?
- Yes
No

142. What could KNHC do to improve the living conditions in this apartment?

143. What should KNHC do to make future projects better?

Appendix - 4

Descriptive Tabulations of Household Interview Survey Results by Computer Work.

1. Interviewer's subjective impression of quality of maintenance of apartment
(cleanliness, any obvious repairs needed, etc)

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
excellent	117(12.3)	105(14.0)	10(12.5)	23(29.1)	25(12.6)	47(12.0)	12(6.0)	4(4.0)	8(8.0)
good	411(43.4)	317(42.3)	33(41.3)	40(50.6)	72(36.4)	172(43.9)	94(47.2)	43(43.4)	51(51.0)
fair	362(38.2)	275(36.7)	37(46.2)	16(20.3)	89(44.9)	133(33.9)	87(43.7)	49(49.5)	38(38.9)
poor	58(6.1)	52(6.9)	0(0.0)	0(0.0)	12(6.1)	40(10.2)	6(3.0)	3(3.0)	3(3.0)
	948(100)	749(100)	80(100)	79(100)	198(100)	392(100)	199(100)	99(100)	100(100)

2. Interviewer's subjective impression on conditions of apartmt facilities (furnitures)

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
new	267(28.3)	222(29.8)	28(30.5)	39(49.4)	51(26.2)	104(26.5)	45(22.6)	20(20.2)	25(25.0)
partially new	605(64.0)	466(62.5)	47(58.7)	38(48.1)	133(68.2)	248(63.3)	139(69.8)	70(70.7)	69(69.0)
old	73(7.7)	58(7.8)	5(6.3)	2(2.5)	11(5.6)	40(10.2)	15(7.5)	9(9.1)	6(6.0)
	945(100)	746(100)	80(100)	79(100)	195(100)	392(100)	199(100)	99(100)	100(100)

3. Interviewers subjective impression of personal hygiene of respondent.

	Total	AID. Apt.					National House		
		Sub total	73	74	75	76	Sub total	75	76
good	455(48.0)	346(46.3)	22(27.5)	52(65.8)	72(36.5)	200(51.0)	109(54.3)	47(47.5)	62(62.0)
fair	458(48.4)	376(50.3)	57(71.2)	25(31.6)	119(60.4)	175(44.6)	82(41.2)	48(48.5)	34(34.)
poor	34(3.6)	26(3.4)	1(1.2)	2(2.6)	6(3.0)	17(4.3)	8(4.0)	4(4.0)	4(4.0)
	947(100.0)	748(100)	80(100)	79(100)	197(100)	392(100)	199(100)	99(100)	100(100)

4. Previous address.

	Total	AID. Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Central	817(35.1)	637(34.9)	79(37.3)	62(78.5)	170(35.9)	335(35.2)	180(90.5)	92(92.9)	23(23.0)
Suburban	130(13.7)	112(14.9)	10(12.5)	17(21.5)	27(13.6)	58(14.8)	18(9.0)	6(6.1)	12(12.0)
Others	2(0.2)	1(0.2)	0(0.0)	0(0.0)	1(0.5)	0(0.0)	1(0.5)	1(1.0)	0(0.0)
	949(100)	750(100)	80(100)	79(100)	198(100)	393(100)	199(100)	99(100)	100(100)

5. How long did you live at the previous address?

	Total	AID Apt.				National Apt.			
		Sub total	73	74	75	76	Sub total	75	76
less than one year	230(24.4)	189(25.4)	16(20.0)	16(20.3)	38(19.6)	119(30.4)	41(20.7)	22(22.2)	19(19.2)
one year to three year	414(43.9)	334(44.8)	28(35.0)	37(46.8)	84(43.3)	185(47.2)	80(40.4)	40(40.4)	40(40.4)
three year to 5 year	152(16.1)	122(16.4)	18(22.5)	15(19.0)	39(20.1)	50(12.8)	30(15.2)	14(14.1)	16(16.2)
more than 5 years	147(15.6)	100(13.4)	18(22.5)	11(13.9)	33(17.0)	38(9.7)	47(23.7)	23(23.2)	24(24.2)
	943(100)	745(100)	80(100)	79(100)	194(100)	392(100)	198(100)	99(100)	99(100)

6. What type of houses did you live in?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
single dwell- ing unit	709(74.9)	569(75.9)	59(73.7)	66(83.5)	153(78.1)	289(73.7)	142(71.4)	68(68.7)	74(74.0)
Row housing unit	69(7.3)	60(8.0)	1(1.2)	4(5.1)	21(10.7)	34(8.7)	9(4.5)	1(1.0)	8(8.0)
Apartment unit	107(17.7)	119(15.9)	20(25.1)	9(11.4)	22(11.2)	68(17.3)	48(24.1)	30(30.3)	18(18.0)
Others	1(0.1)	1(0.2)	0(0.0)	0(0.0)	0(0.0)	1(0.3)	0(0.0)	0(0.0)	0(0.0)
	946(100)	747(100)	80(100)	79(100)	196(100)	392(100)	199(100)	99(100)	100(100)

7. What type of housing is your previous residence?

	Total	AID Apt					National Apt		
		Sub-total	73	74	75	76	Sub-total	75	76
Parent's home	341(36.1)	236(31.6)	53(66.2)	31(39.2)	69(35.0)	83(21.3)	105(52.8)	61(61.6)	44(44.0)
Rental house with key money	526(55.7)	446(59.8)	23(28.8)	34(43.0)	103(54.8)	281(72.1)	80(40.2)	36(36.4)	44(44.0)
Monthly rental house	48(5.1)	38(5.1)	2(2.5)	9(11.4)	13(6.6)	14(3.6)	10(5.0)	1(1.0)	9(9.0)
Others	30(3.2)	26(3.5)	2(2.5)	5(6.3)	7(3.6)	12(3.1)	4(2.0)	1(1.0)	3(3.0)
	945(100)	745(100)	80(100)	79(100)	197(100)	390(100)	199(100)	99(100)	100(100)

8. What kind of community was your previous house in?

Total		AID Apt					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Central Business area	54(5.7)	44(5.3)	7(8.8)	1(1.3)	17(8.6)	19(4.8)	10(5.0)	4(4.0)	6(6.0)
Central Residential area	570(70.6)	536(71.5)	56(70.0)	56(70.9)	143(72.2)	281(71.5)	134(67.3)	69(69.7)	65(65.0)
Central Squatter area	24(2.5)	11(1.5)	9(0.0)	0(0.0)	5(2.5)	6(1.5)	13(6.5)	1(1.0)	12(12.0)
Suburban Business	6(0.6)	5(0.7)	0(0.0)	0(0.0)	2(1.0)	3(0.8)	1(0.5)	1(1.0)	0(0.0)
Suburban residential area	140(14.8)	111(14.8)	13(16.2)	12(15.2)	17(8.6)	69(17.6)	29(14.6)	16(16.2)	13(12.0)
Suburban Squatter area	4(0.4)	4(0.4)	0(0.0)	0(0.0)	1(0.5)	3(0.8)	5(2.5)	0(0.0)	0(0.0)
Others	51(5.8)	49(5.2)	4(4.0)	10(12.7)	13(6.5)	12(3.1)	12(6.0)	8(8.1)	4(4.0)
	949(100)	750(100)	80(100)	73(100)	198(100)	393(100)	199(100)	99(100)	100(100)

9. Do you own this Apt. or do you rent?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
own	919(98.2)	724(98.1)	74(90.2)	75(94.9)	185(93.9)	392(100.0)	195(98.5)	95.(97.0)	99(100.0)
Jeon Sae	17(1.8)	14(1.9)	8(9.8)	4(25.3)	2(1.1)	0(0.0)	3(1.5)	3(3.0)	0(0.0)
	936(100)	738(100)	80(100)	79(100)	187(100)	392(100)	198(100)	99(100)	99(100)

10. If you are the owner of this apartment did you buy it from KNHC when the building was built or did you buy it afterwards from another earlier purchaser?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
I bought it when the apt was built	714(90.3)	580(91.5)	42(66.7)	42(70.0)	141(91.0)	345(100)	134(85.4)	60(72.3)	74(100)
I bought it from another purchaser	70(9.7)	54(8.5)	21(33.3)	18(30.0)	15(9.0)	0(0.0)	23(14.6)	23(27.7)	0(0.0)
	791(100)	634(100)	63(100)	60(100)	166(100)	345(100)	157(100)	83(100)	74(100)

11. If you are a renter, why did you decide to rent this apt. house rather than buy one?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
lack of funds for									
down payment	4 (23.5)	1(7.1)	0(0.0)	0(0.0)	1(50.0)	0(0.0)	3(100)	3(100)	0(0.0)
monthly payment	0 (0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
couldn't find a house	4(23.5)	4(28.6)	3(37.5)	1(25.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
Funds available but failed in sale competition	4(23.5)	4(28.6)	1(12.5)	2(50.0)	1(50.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
Prefer to rent	3(17.7)	3(21.4)	2(25.0)	1(25.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
Other (Specify)	2(11.8)	2(14.3)	2(25.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	17(100)	14(100)	8(100)	4(100)	2(100)	0(0.0)	3(100)	3(100)	0(0.0)

12. How long do you plan to be a renter?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
less than 6 months	2(11.8)	2(14.3)	1(12.5)	1(25.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
6 months-1 year	6(35.3)	5(35.7)	3(37.5)	2(50.0)	0(0.0)	0(0.0)	1(33.3)	1(33.3)	0(0.0)
1-2 year	2(11.8)	2(14.3)	1(12.5)	0(0.0)	1(50.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
2-5 year	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
Don't know	7(41.2)	5(35.7)	3(37.5)	1(25.0)	1(50.0)	0(0.0)	2(66.7)	2(66.7)	0(0.0)
Indefinite	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	17(100)	14(100)	8(100)	4(100)	2(100)	0(0.0)	3(100)	3(100)	0(0.0)

13. What were the motives of your moving to this apt. house?
(Check relevant ones and assign priorities)

	Total	AID Apt.					National House		
		Sub total	73	74	75	76	Sub total	75	76
Not able to buy a single dwelling unit because of lack of funds	388(41.1)	300(40.2)	7(8.8)	13(16.5)	96(49.2)	184(46.9)	88(44.4)	27(27.6)	61(61.8)
Near to school	31(3.3)	26(3.5)	6(7.5)	2(2.5)	13(6.7)	5(1.3)	5(2.5)	4(4.1)	1(1.0)
Near to work	87(9.2)	79(10.6)	4(5.0)	17(21.5)	26(13.3)	32(8.2)	8(4.0)	7(7.1)	1(1.0)
Near to relatives of friends	10(1.1)	7(0.9)	1(1.2)	2(2.5)	3(1.5)	1(0.3)	3(1.5)	3(3.1)	0(0.0)
To Change life style or living condition	229(24.3)	182(24.4)	52(65.0)	18(22.8)	37(19.0)	75(19.1)	47(23.7)	27(27.6)	20(29.0)
Price was reasonable	133(14.1)	100(13.4)	9(11.2)	6(7.6)	15(7.7)	70(17.9)	33(16.7)	21(21.4)	12(12.0)
Other (Specify)	66(7.0)	52(7.0)	1(1.2)	21(26.6)	5(2.6)	25(6.4)	14(7.1)	9(9.2)	5(5.0)
	944(100)	746(100)	80(100)	79(100)	195(100)	392(100)	198(100)	98(100)	100(100)

14. Have you thought of using your apt. house as collateral for financing purpose?

	Total	AIB Apt.					National House		
		Sub total	73	74	75	76	Sub total	75	76
1) Yes	79(8.5)	63(8.7)	8(10.1)	1(1.3)	30(16.0)	24(6.2)	.16(8.1)	12(12.4)	4(4.0)
2) No	846(91.5)	665(91.3)	71(89.9)	75(98.7)	158(84.0)	361(91.9)	181(91.9)	85(87.6)	96(96.0)
	925(100)	728(100)	79(100)	76(100)	188(100)	385(100)	197(100)	97(100)	100(100)

15-27 Please check which ones of the following you have at home.

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
15.T.V.Set	864(91.2)	686(91.6)	75(95.0)	75(94.9)	178(90.4)	357(90.8)	178(89.9)	96(98.6)	82(82.0)
16.Radio set	897(94.7)	708(94.7)	79(98.7)	77(97.5)	177(90.3)	375(95.4)	189(95.0)	97(98.0)	92(92.0)
17.Telephone	183(19.3)	145(19.4)	71(88.8)	19(24.1)	32(15.2)	23(8.9)	38(19.1)	34(34.3)	4(4.0)
18.News paper	832(87.8)	666(88.9)	79(98.7)	69(87.3)	157(79.7)	361(91.9)	156(83.4)	96(97.0)	70(70.0)
19.Electric phonograph	393(42.1)	322(43.1)	60(75.0)	36(45.0)	90(46.2)	136(34.6)	76(38.2)	53(53.5)	23(23.0)
20.Bicycle	171(18.1)	146(19.5)	31(38.7)	9(11.4)	46(23.5)	60(15.3)	25(12.6)	14(14.1)	11(11.0)
21.Automobile	8(0.3)	7(0.9)	7(8.8)	1(1.3)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
22.Clocks	919(95.9)	718(95.7)	79(98.7)	79(100)	179(90.4)	381(96.9)	192(96.5)	98(99.0)	94(94.0)
23. Refrigerater	66(7.0)	64(74.8)	56(70.0)	7(8.9)	1(0.5)	0(0.0)	2(1.0)	2(2.0)	0(0.0)
24.Magazine	604(83.8)	494(61.6)	59(73.7)	63(79.7)	123(65.6)	244(62.1)	110(55.3)	68(68.7)	42(42.0)
25.Pussing Iron(Electric)	862(90.9)	675(90.1)	75(93.8)	78(98.7)	165(83.8)	357(90.8)	127(94.0)	98(99.0)	89(89.0)
27.Wash Machine	33(3.5)	32(4.3)	29(36.3)	3(3.8)	0(0.0)	0(0.0)	1(0.5)	1(1.0)	0(0.0)

28-32 Did your previous residence have

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
28. Flush Toilet	713(75.3)	563(75.3)	72(90.0)	51(65.4)	145(73.6)	295(75.1)	150(75.4)	78(78.8)	72(72.0)
29. balcony or garden	552(58.3)	440(58.8)	66(82.5)	55(70.5)	111(56.3)	208(52.9)	112(56.3)	72(72.7)	40(40.0)
30. Bath or Wash area	546(57.6)	437(58.3)	77(88.8)	54(69.2)	103(52.0)	209(53.2)	109(54.8)	72(72.7)	37(37.0)
31. Water Tap	876(92.7)	704(94.4)	79(98.7)	75(96.2)	182(93.3)	368(93.6)	172(86.4)	94(94.9)	78(78.0)
32. Central hot water heating	152(16.1)	123(16.5)	35(43.8)	18(23.1)	24(12.4)	46(11.7)	29(14.6)	21(21.2)	8(8.0)

33. What is the most important difference between this apartment and where living previously?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Central Heating	145(17.4)	134(20.2)	41(52.6)	16(20.8)	3(1.9)	74(20.9)	11(6.5)	9(9.8)	2(2.6)
Inconvenience	39(4.7)	28(4.2)	2(2.6)	1(1.3)	2(5.8)	15(4.5)	11(6.5)	6(6.5)	5(6.5)
My own house	61(7.3)	51(7.7)	2(2.6)	6(7.8)	10(6.5)	33(9.3)	10(5.9)	4(4.3)	6(7.8)
Lack areas	92(11.1)	73(11.0)	2(2.6)	7(9.1)	19(12.3)	45(12.7)	19(11.2)	12(13.0)	7(9.1)
Unsatisfaction with neighbours	14(1.7)	11(1.7)	0(0.0)	0(0.0)	4(2.6)	7(2.0)	3(1.8)	2(2.2)	1(1.3)
Clean air	26(3.1)	18(2.7)	1(1.3)	2(2.6)	5(3.2)	10(2.8)	8(4.7)	3(3.3)	5(6.5)
Poor design	78(9.4)	66(10.0)	2(2.6)	3(3.9)	15(9.7)	46(13.0)	12(7.1)	10(10.9)	2(2.6)
Good design	232(27.9)	178(26.8)	17(21.8)	29(37.7)	48(31.2)	84(23.7)	54(32.0)	25(27.2)	29(37.7)
Others	145(17.4)	104(15.7)	11(14.1)	13(16.9)	41(26.6)	39(11.0)	41(24.3)	21(22.8)	20(26.0)
	832(100)	663(100)	78(100)	77(100)	154(100)	354(100)	169(100)	92(100)	77(100)

34. In the community where you lived previously, what are the things you liked most?
priority - first

[illegible]

Market & shopping	39(3.9)	29(4.0)	0(0.0)	6(7.7)	3(1.6)	20(5.2)	6(3.2)	4(4.2)	2(2.1)
Friendly neighbors	27(3.0)	19(2.6)	4(5.3)	0(0.0)	2(1.1)	13(3.4)	8(4.2)	1(1.1)	7(7.4)
Local employment opportunities	4(0.4)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	4(2.1)	0(0.0)	4(4.2)
Fire Protection	8(0.9)	7(1.0)	2(2.6)	1(1.3)	2(1.1)	2(0.5)	1(0.5)	0(0.0)	1(1.1)
House security	7(0.8)	4(0.6)	0(0.0)	0(0.0)	0(0.0)	4(1.0)	3(1.6)	0(0.0)	3(3.2)
Local leisure time opportunities	4(0.4)	3(0.4)	0(0.0)	0(0.0)	1(0.5)	2(0.5)	1(0.5)	0(0.0)	1(1.1)
Medical facilities	3(0.3)	3(0.4)	0(0.0)	2(2.6)	1(0.5)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
Other	1(0.1)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)	1(1.1)	0(0.0)
	909(100)	719(100)	76(100)	78(100)	183(100)	382(100)	190(100)	95(100)	85(100)

35. What are the things you liked least?
(Assign priorities) Priority - first

	Total	A I D Apt.				National Apt.			
		Sub total	73	74	75	76	Sub total	75	76
Poor community physical design or arrangement	200(23.9)	170(25.8)	23(33.3)	20(26.3)	41(27.2)	86(23.8)	30(16.8)	17(18.1)	13(15.5)
Bus Service	84(10.0)	65(9.9)	7(10.1)	6(7.9)	12(7.9)	40(11.0)	19(10.6)	14(14.9)	5(5.9)
Distance to work	73(8.7)	61(9.3)	5(7.2)	7(9.2)	9(6.0)	40(11.0)	12(6.7)	7(7.4)	5(5.9)
Distance to school	18(2.2)	15(2.3)	1(1.4)	1(1.3)	4(2.6)	9(2.5)	3(1.7)	3(3.2)	0(0.0)
Air Pollution	120(14.3)	80(12.2)	9(13.0)	9(11.8)	25(16.6)	37(10.2)	40(22.3)	15(16.0)	25(20.4)
Poor Streets	50(6.0)	39(5.9)	2(2.9)	3(3.9)	9(6.0)	25(6.9)	11(6.1)	10(10.6)	1(1.2)
Poor water, Electricity & Sewers	28(3.3)	17(2.6)	3(4.3)	3(3.9)	2(1.3)	9(2.5)	11(6.1)	3(3.2)	8(9.)
Poor bath & other facilities	20(2.4)	18(2.7)	1(1.4)	2(2.6)	3(2.6)	4(3.0)	2(1.1)	2(2.1)	0(0.0)
Poor Atmosphere	38(4.5)	30(4.6)	3(4.3)	1(1.3)	9(6.0)	17(4.7)	8(4.5)	6(6.4)	2(2.4)
Lack of Play areas	51(6.1)	41(6.2)	5(7.2)	4(5.3)	10(6.6)	22(6.2)	10(5.6)	6(6.4)	4(4.7)

poor markets & shopping	26(3.1)	22(3.3)	1(1.4)	1(1.3)	7(4.6)	13(3.6)	4(2.2)	2(2.1)	2(2.4)
Unfriendly neighbors	8(1.0)	6(0.9)	2(2.9)	2(2.6)	1(0.7)	1(0.3)	2(1.1)	1(1.1)	1(1.2)
Lack of local Employment Opportunities	3(0.4)	3(0.5)	1(1.4)	0(0.0)	0(0.0)	2(0.6)	0(0.0)	0(0.0)	0(0.0)
Poor fire Protection	14(1.7)	7(1.1)	0(0.0)	1(1.3)	0(0.0)	6(1.7)	7(3.9)	1(1.1)	6(7.1)
Poor house security	39(4.7)	34(5.2)	3(4.3)	12(15.8)	9(6.0)	10(2.8)	5(2.8)	2(2.1)	3(3.5)
Lack of local leisure time opportunities	6(0.7)	5(0.8)	1(1.4)	1(1.3)	2(1.3)	1(0.3)	1(0.6)	0(0.0)	1(1.2)
Poor parks	39(4.7)	31(4.7)	1(1.4)	2(2.6)	6(4.0)	22(6.1)	8(4.5)	4(4.3)	4(4.7)
Lack of medical facilities	16(1.9)	11(1.7)	1(1.4)	0(0.0)	1(0.7)	9(2.5)	5(2.8)	1(1.1)	4(4.7)
Others	4(0.5)	3(0.5)	0(0.0)	1(1.3)	0(0.0)	2(0.6)	1(0.6)	0(0.0)	1(1.2)
	837(100)	658(100)	69(100)	76(100)	151(100)	362(100)	179(100)	94(100)	85(100)

36. In this community where you now live what are the things you like most?
(assign priorities) priority - first

	Total	A I D + Apt.				National Apt.			
		Sub total	73	74	75	76	Sub total	75	76
Good community physical design on arrangement	247(29.5)	207(31.7)	27(38.6)	22(28.2)	47(29.0)	111(32.9)	40(22.0)	18(18.4)	22(26.2)
Bus service	67(8.0)	46(7.0)	19(27.1)	5(6.4)	9(5.6)	13(3.8)	21(11.5)	8(8.2)	13(15.5)
Distance to work	70(8.4)	59(9.0)	4(5.7)	12(15.4)	8(4.9)	35(10.2)	11(6.0)	4(4.1)	7(8.3)
Distance to school	41(4.9)	32(4.9)	6(8.6)	1(1.3)	10(6.2)	15(4.4)	9(4.9)	5(5.1)	4(4.8)
Clean air	230(27.5)	173(26.5)	7(10.0)	27(34.6)	46(28.4)	93(27.0)	57(31.3)	37(37.8)	20(23.8)
Good streets	17(2.0)	10(1.5)	0(0.0)	1(1.3)	3(1.9)	6(1.7)	7(3.8)	6(6.1)	1(1.2)
Good water, electricity & sewers	52(6.2)	43(6.6)	2(6.9)	3(3.8)	11(6.2)	27(7.8)	9(4.9)	5(5.1)	4(4.8)
Parks	12(1.4)	10(1.5)	0(0.0)	1(1.3)	0(0.0)	9(2.6)	2(1.1)	1(1.0)	1(1.2)
Public bath & other facilities	5(0.6)	2(0.3)	1(1.4)	0(0.0)	0(0.0)	1(0.3)	3(1.6)	3(3.1)	0(0.0)

Pice atmosphere	15(1.8)	12(1.8)	1(1.4)	2(2.6)	3(1.9)	6(1.7)	3(1.6)	1(1.0)	2(2.4)
play areas	31(3.7)	21(3.2)	1(1.4)	1(1.3)	6(3.7)	13(3.8)	10(5.5)	7(7.1)	3(3.6)
Markets shopping	9(1.1)	5(0.8)	0(0.0)	0(0.0)	1(0.6)	4(1.2)	4(2.2)	3(3.1)	1(1.2)
Friendly neighbors	4(0.5)	4(0.6)	1(1.4)	0(0.0)	2(1.2)	1(0.3)	0(0.0)	0(0.0)	0(0.0)
Local employment opportunities	2(0.2)	2(0.3)	1(1.4)	0(0.0)	0(0.0)	1(0.3)	0(0.0)	0(0.0)	0(0.0)
Fire Protection	11(1.3)	9(1.4)	0(0.0)	1(1.3)	7(4.3)	1(0.3)	2(1.1)	0(0.0)	2(2.4)
House security	11(1.3)	9(1.4)	0(0.0)	2(2.6)	4(2.5)	3(0.9)	2(1.1)	0(0.0)	2(2.4)
Local leisure time opportunities	5(0.6)	5(0.8)	0(0.0)	0(0.0)	2(1.2)	3(0.9)	0(0.0)	0(0.0)	0(0.0)
Medical facilities	3(0.4)	2(0.3)	0(0.0)	0(0.0)	1(0.6)	1(0.3)	1(0.5)	0(0.0)	1(1.2)
Other	4(0.5)	3(0.5)	0(0.0)	0(0.0)	2(1.2)	1(0.3)	1(0.5)	0(0.0)	1(1.2)
	836(100)	654(100)	79(100)	78(100)	162(100)	344(100)	182(100)	98(100)	84(100)

37. What are the things you like last?
(assign priorities) priority -first

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Poor community Physical design on arrangements	45(10.0)	34(10.0)	3(6.1)	5(10.0)	12(15.6)	14(8.6)	11(9.7)	8(13.6)	3(5.5)
Bus service	64(14.2)	47(13.9)	5(10.2)	9(18.0)	12(15.6)	21(12.9)	17(15.0)	13(22.0)	4(7.4)
Distance to work	55(12.2)	33(9.7)	5(10.2)	6(12.0)	5(6.5)	17(10.4)	22(19.5)	15(25.4)	7(13.0)
Distance to school	38(8.4)	29(8.6)	6(12.2)	5(10.0)	6(7.8)	12(7.4)	9(8.0)	5(8.5)	4(7.4)
Air pollution	10(2.2)	10(2.9)	4(8.2)	1(2.0)	1(1.3)	4(2.5)	0(0.0)	0(0.0)	0(0.0)
Poor street	20(4.4)	17(5.0)	2(4.1)	1(2.0)	4(5.2)	10(6.1)	3(2.7)	0(0.0)	3(5.6)
Poor water, electricity & sewers	10(2.2)	8(2.4)	1(2.0)	1(2.0)	2(2.6)	4(2.5)	2(1.8)	1(1.7)	1(1.9)
Poor bath & other facilities	28(6.2)	23(6.8)	2(4.1)	1(2.0)	9(11.7)	11(6.7)	8(4.4)	2(3.4)	3(5.6)
Poor atmosphere	18(4.0)	14(4.1)	2(4.1)	0(0.0)	1(1.3)	11(6.7)	4(3.5)	3(5.1)	1(1.9)
Lack of play areas	3(0.7)	2(0.6)	0(0.0)	1(2.0)	1(1.3)	0(0.0)	1(0.9)	0(0.0)	1(1.9)

Poor markets & shopping	26(5.8)	21(6.2)	1(2.0)	3(6.0)	4(5.2)	13(8.0)	5(4.4)	2(3.4)	3(5.6)
Unfriendly neighbors	30(6.7)	21(6.2)	3(6.1)	2(4.0)	6(7.8)	10(6.1)	9(8.0)	5(3.5)	4(7.4)
Lack of local employment opportunities	9(2.0)	5(1.5)	0(0.0)	0(0.0)	1(1.3)	4(2.5)	4(3.5)	0(0.0)	4(7.4)
Poor fire protection	10(2.2)	9(2.7)	3(6.1)	2(4.0)	3(3.9)	1(0.6)	1(0.9)	1(1.7)	0(0.0)
Poor house security	30(6.7)	28(8.3)	10(20.4)	5(10.0)	0(0.0)	13(8.0)	2(1.8)	1(1.7)	1(1.9)
Lack of local leisure time opportunities	9(2.0)	7(2.1)	0(0.0)	0(0.0)	5(6.5)	2(1.2)	2(1.8)	0(0.0)	2(3.7)
Lack of medical facilities	19(4.2)	16(4.4)	0(0.0)	2(4.0)	4(5.2)	9(5.5)	4(3.5)	2(3.4)	2(3.7)
Other	5(1.1)	3(0.9)	0(0.0)	0(0.0)	0(0.0)	3(1.8)	2(1.8)	0(0.0)	2(3.7)
Park	21(4.7)	13(3.8)	2(4.1)	5(12.0)	1(1.3)	4(2.5)	8(7.1)	1(1.7)	7(13.0)
	450	339	49	50	77	163	113	59	54

38. In the house where you lived previously, what are the things you liked most?
(assign priorities - first)

	Total	A I D Apt.				National Apt.			
		Sub total	73	74	75	76	Sub total	75	76
low cost	166(20.4)	136(21.2)	28(40.6)	14(17.9)	38(26.4)	56(16.0)	30(17.5)	15(16.7)	15(18)
Garden or Balcony	53(6.5)	44(6.9)	4(5.8)	11(14.1)	4(2.8)	25(7.1)	9(5.3)	3(3.3)	6(7.4)
Size	209(25.7)	163(25.4)	15(21.7)	19(24.4)	28(19.4)	101(28.9)	46(26.9)	28(31.1)	18(22.2)
Noise	70(8.6)	58(9.0)	2(2.9)	4(5.1)	9(6.3)	43(12.3)	12(7.0)	3(3.9)	4(4.9)
Good sun	147(18.1)	112(17.5)	7(10.1)	13(16.7)	27(18.8)	65(18.6)	35(20.5)	23(25.6)	12(10.8)
Nice design	29(3.6)	24(3.7)	0(0.0)	5(6.4)	10(6.9)	9(2.6)	5(2.9)	4(4.4)	1(1.2)
Good community	85(3.1)	20(3.1)	4(5.8)	2(2.6)	6(4.2)	8(2.3)	5(2.9)	4(4.4)	1(1.2)
Plan	32(3.9)	27(4.2)	5(7.2)	2(2.6)	2(1.4)	18(5.1)	5(2.9)	1(1.1)	4(4.)
Good access	62(7.6)	50(7.8)	4(5.8)	8(10.3)	16(11.1)	22(6.3)	12(7.0)	4(4.4)	8(9.8)
Good odors	13(1.6)	2(0.3)	0(0.0)	0(0.0)	1(0.7)	1(0.3)	11(6.4)	0(0.0)	11(13.6)
Others	6(0.7)	5(0.8)	0(0.0)	0(0.0)	3(2.1)	2(0.6)	1(0.6)	0(0.0)	1(1.2)
	812(100)	641(100)	69(100)	78(100)	144(100)	350(100)	171(100)	90(100)	81(100)

39. The things you liked least (assign priorities - first)

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
high-cost	118(14.9)	96(15.4)	8(12.9)	20(26.7)	16(11.4)	52(15.0)	22(12.9)	16(16.3)	7(9.0)
No garden or balcony	146(18.4)	125(20.1)	13(21.0)	3(4.0)	32(22.9)	77(22.3)	21(12.4)	11(12.0)	10(12.8)
Small size	85(10.7)	71(11.4)	7(11.3)	8(10.7)	15(10.7)	41(11.8)	14(8.2)	12(13.0)	2(2.6)
Noise	185(23.3)	136(21.8)	10(16.1)	15(20.0)	35(25.0)	76(22.0)	49(28.8)	26(28.3)	23(29.5)
Good sun	43(5.4)	35(5.6)	4(6.5)	4(5.3)	6(4.3)	21(6.1)	8(4.7)	5(5.4)	3(3.8)
Nice design	54(6.8)	38(6.1)	1(1.6)	12(16.0)	4(2.9)	21(6.1)	16(9.4)	6(6.5)	10(12.8)
Bad community	22(2.8)	17(2.7)	4(6.5)	3(4.0)	2(1.4)	8(2.3)	5(2.9)	1(1.1)	4(5.1)
Plan	42(5.3)	32(5.1)	2(3.2)	4(5.3)	13(9.3)	13(3.8)	10(5.9)	3(3.3)	7(9.0)
Poor access	45(5.7)	34(5.5)	7(11.3)	3(4.0)	8(5.7)	16(4.6)	11(6.5)	6(6.5)	5(6.1)
Bad odors	39(4.9)	26(4.2)	6(9.7)	3(4.0)	6(4.3)	11(3.2)	13(7.6)	7(7.6)	6(7.7)
Others	14(1.8)	13(2.1)	0(0.0)	0(0.0)	3(2.1)	10(2.9)	1(0.6)	0(0.0)	1(1.3)
	793(100)	623(100)	62(100)	75(100)	140(100)	346(100)	170(100)	92(100)	78(100)

40. In this house where you are living now: What are the things you like most ?
(assign priorities - first)

	Total		A I D Apt.				National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
low cost	206(25.1)	158(24.6)	6(8.5)	15(19.5)	38(26.6)	99(28.1)	48(27.1)	29(29.9)	19(23.8)
garden or balcony	100(12.2)	85(13.2)	14(19.7)	5(6.5)	25(17.5)	41(11.6)	15(8.5)	10(10.3)	5(6.3)
Size	112(13.7)	91(14.2)	22(31.0)	11(14.3)	19(13.3)	39(11.1)	21(11.9)	10(10.3)	11(13.7)
Noise	61(7.4)	53(8.2)	2(2.8)	9(11.7)	17(11.9)	25(7.1)	8(4.5)	5(5.2)	3(3.7)
Good sun	141(17.2)	121(18.8)	12(16.9)	11(14.3)	21(14.7)	77(21.9)	20(11.3)	13(13.4)	7(8.8)
Nice design	54(6.6)	39(6.1)	5(7.0)	9(11.7)	7(4.9)	18(5.1)	15(8.5)	6(6.2)	9(11.2)
Good community	55(6.7)	43(6.7)	7(9.9)	13(16.9)	7(4.9)	16(4.5)	12(6.8)	6(6.2)	6(7.5)
Plan	32(3.9)	21(3.3)	3(4.2)	0(0.0)	5(3.5)	13(3.7)	11(6.2)	2(2.1)	9(11.2)
Good access	41(5.0)	19(3.0)	0(0.0)	2(2.6)	3(2.1)	14(4.0)	22(12.4)	16(16.5)	6(7.5)
Good odors	13(1.6)	10(1.6)	0(0.0)	1(1.3)	1(0.7)	8(2.3)	3(1.7)	0(0.0)	3(3.7)
Others	5(0.6)	3(0.5)	0(0.0)	1(1.3)	0(0.0)	2(0.6)	2(1.1)	0(0.0)	2(2.5)
	820(100)	643(100)	71(100)	77(100)	143(100)	352(100)	177(100)	97(100)	80(100)

41. The things you like least (assign priorities - first)

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
High cost	81(10.4)	72(11.8)	12(21.1)	6(8.1)	26(19.3)	28(8.1)	9(5.3)	5(5.4)	4(5.3)
No garden or balcony	124(15.9)	81(13.3)	7(12.3)	12(16.2)	17(12.6)	45(13.0)	43(25.4)	15(16.1)	28(36.)
Small size	106(13.6)	94(15.4)	6(10.5)	16(21.6)	19(14.1)	53(15.4)	12(7.1)	9(9.7)	3(3.9)
Noise	115(14.7)	84(13.7)	18(31.6)	10(13.5)	20(14.8)	36(10.4)	31(18.3)	21(22.6)	10(13.2)
No sun	44(5.6)	27(4.4)	0(0.0)	9(12.2)	8(5.9)	10(2.9)	17(10.1)	11(11.8)	6(7.9)
Floor design	49(6.3)	37(6.1)	1(1.8)	2(2.7)	2(1.5)	32(9.3)	12(7.1)	11(11.8)	1(1.3)
Bad community	17(9.9)	64(10.5)	0(0.0)	4(5.4)	9(6.7)	51(14.8)	13(7.7)	5(5.4)	8(10.5)
Plan	35(4.5)	25(4.1)	2(3.5)	3(4.1)	7(5.2)	13(3.8)	10(5.9)	8(8.6)	2(2.6)
Floor Access	102(13.1)	90(14.7)	2(3.5)	9(12.2)	16(11.9)	63(18.3)	12(7.1)	1(1.1)	11(14.)
Bad odors	23(2.9)	17(2.8)	9(15.8)	2(2.7)	3(2.2)	3(0.8)	6(3.6)	6(6.5)	0(0.0)
Others	24(3.1)	20(3.3)	0(0.0)	1(1.4)	8(5.9)	11(3.2)	4(2.4)	1(1.1)	3(3.9)
	780(100)	611(100)	57(100)	74(100)	135(100)	345(100)	169(100)	93(100)	76(100)

42. Does the head of this household, work in the same place that he did
Where you lived previously?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	823(87.3)	665(89.1)	65(82.3)	64(81.0)	173(88.3)	363(92.6)	158(80.2)	77(78.6)	81(81.8)
no.	120(12.7)	81(10.9)	14(17.7)	15(19.0)	23(11.7)	29(7.4)	39(19.8)	21(21.4)	18(18.2)
	943(100)	746(100)	79(100)	79(100)	196(100)	392(100)	197(100)	98(100)	99(100)

43. Do you feel the building is adequately maintained?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Yes	499(52.7)	395(52.7)	36(45.0)	40(50.6)	102(51.8)	217(55.2)	164(82.8)	49(49.5)	35(55.6)
somewhat	420(44.4)	336(44.9)	41(51.3)	33(41.8)	88(44.7)	174(44.3)	24(42.4)	48(48.5)	36(36.4)
No.	28(3.0)	13(2.4)	3(3.7)	6(7.6)	7(3.6)	2(0.5)	10(5.1)	2(2.0)	8(8.1)
	947(100)	749(100)	80(100)	79(100)	197(100)	393(100)	198(100)	99(100)	99(100)

44. Do you feel the streets gardens and other public areas are adequately maintained?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	303(32.1)	229(29.9)	41(51.3)	25(31.6)	72(36.5)	85(21.7)	80(40.4)	40(40.4)	40(40.4)
somewhat	426(45.1)	340 (45.5)	36(45.0)	38(48.1)	94(47.7)	172(44.0)	86(43.4)	50(50.5)	36(36.4)
No	214(22.6)	182(24.4)	3(3.7)	16(20.3)	31(15.7)	132(33.8)	32(16.2)	9(9.1)	23(23.2)
Others	2(0.2)	2(0.3)	0(0.0)	0(0.0)	0(0.0)	2(0.5)	0(0.5)	0(0.0)	0(0.0)
	945(100)	747(100)	80(100)	79(100)	197(100)	391(100)	198(100)	99(100)	99(100)

45. On which floor is your Apt. located

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
1	172(18.1)	133(17.7)	11(13.7)	8(10.1)	42(21.2)	72(18.3)	39(19.6)	22(22.2)	17(17.0)
2	172(18.1)	135(18.0)	12(15.0)	7(8.9)	38(19.2)	78(19.8)	37(18.6)	18(18.2)	19(19.0)
3	185(19.5)	141(18.8)	21(26.2)	10(12.7)	39(19.7)	71(18.1)	44(22.1)	22(22.2)	22(22.0)
4	165(17.4)	132(17.6)	10(12.5)	13(16.5)	41(20.7)	68(17.3)	33(16.6)	14(14.1)	19(19.0)
5	255(26.9)	209(27.9)	26(32.5)	41(51.9)	38(19.2)	104(11.0)	46(23.1)	23(23.3)	23(23.0)
	949(100)	750(100)	80(100)	73(100)	198(100)	393(100)	199(100)	99(100)	100(100)

46. What is the total floor space of your Apt.?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
7.5 pyong	59(6.2)	59(7.9)	0(0.0)	0(0.0)	0(0.0)	59(15.0)	0(0.0)	0(0.0)	0(0.0)
10 "	75(7.9)	75(10.0)	0(0.0)	0(0.0)	0(0.0)	75(19.1)	0(0.0)	0(0.0)	0(0.0)
13 "	587(61.9)	487(65.0)	0(0.0)	55(69.6)	173(81.8)	259(65.9)	100(50.1)	0(0.0)	100(100)
15 "	48(5.1)	48(6.4)	0(0.0)	24(30.4)	24(12.2)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
17 "	99(10.4)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	99(49.9)	99(100)	0(0.0)
22 "	80(8.4)	80(10.7)	80(100.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	948(100)	749(100)	80(100)	79(100)	197(100)	393(100)	199(100)	99(100)	100(100)

47. Is this floor space sufficient for your present need?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	396(41.9)	287(38.5)	47(58.7)	25(31.6)	61(21.1)	154(39.5)	109(54.8)	63(63.6)	46(46.0)
no.	548(58.1)	458(61.5)	33(41.3)	54(68.4)	135(68.9)	236(60.5)	90(45.2)	36(36.4)	54(54.0)
	944(100)	745(100)	80(100)	79(100)	196(100)	390(100)	199(100)	99(100)	100(100)

48. If no, would you be willing to pay more for a bigger Apt.

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes.	230(34.7)	213(38.9)	21(46.6)	35(53.0)	57(37.0)	100(35.4)	17(14.7)	12(27.3)	5(6.9)
no.	154(23.2)	118(21.6)	12(26.7)	20(30.3)	28(18.2)	58(20.6)	36(31.0)	11(25.0)	25(34.7)
yes, but I don't have funds	279(42.1)	216(39.5)	12(26.7)	11(16.7)	69(44.8)	124(44.0)	63(54.3)	21(47.7)	42(58.3)
	663(100)	547(100)	45(100)	66(100)	154(100)	282(100)	116(100)	44(100)	72(100)

49. And for what purpose would you use additional space? (assign priorities - first)

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
room for furniture	192(32.8)	155(32.2)	9(26.5)	14(22.6)	40(29.4)	92(36.8)	37(35.9)	13(33.3)	24(37.5)
Privacy	92(15.7)	76(15.8)	5(14.7)	8(12.9)	17(12.5)	46(18.4)	16(15.5)	6(15.4)	10(15.6)
General lack of comfort	258(44.1)	220(45.6)	16(47.1)	36(58.1)	73(53.7)	95(38.0)	38(36.9)	17(43.6)	21(32.8)
Other	43(7.4)	31(6.4)	4(11.8)	4(6.5)	6(4.4)	17(6.8)	12(11.7)	3(7.7)	9(14.1)
	585(100)	482(100)	34(100)	62(100)	136(100)	250(100)	103(100)	39(100)	64(100)

50. Is your living standards better than before moving to this apartment house?

	Total	A I D Apt.					National House		
		Sub total	73	74	75	76	Sub total	75	76
yes	190(20.4)	150(20.5)	25(31.3)	20(25.3)	39(20.7)	66(17.1)	40(20.1)	24(24.2)	16(16.0)
somewhat	650(69.7)	509(69.4)	50(62.5)	52(85.8)	123(65.4)	284(73.6)	141(70.9)	65(65.7)	76(76.0)
no	92(9.9)	74(10.1)	5(6.3)	7(8.9)	26(13.8)	36(9.3)	18(9.0)	10(10.1)	8(8.0)
	932(100)	733(100)	80(100)	79(100)	188(100)	386(100)	199(100)	99(100)	100(100)

51. Do you think your children enjoy a better standard of living here than where you lived before?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
very much	62(7.3)	53(8.0)	12(16.2)	6(8.2)	17(9.1)	18(5.4)	9(4.7)	3(3.3)	6(6.1)
much	348(40.7)	259(38.9)	30(40.5)	33(43.2)	91(48.9)	105(31.6)	89(46.8)	43(46.7)	46(46.9)
somewhat	378(44.2)	292(43.9)	25(33.8)	29(39.7)	65(34.9)	173(52.1)	86(45.3)	42(45.7)	44(44.9)
worse	67(7.8)	61(9.2)	7(9.5)	5(6.8)	13(7.0)	36(10.8)	6(3.2)	4(4.3)	2(2.0)
	855(100)	665(100)	74(100)	73(100)	186(100)	332(100)	190(100)	92(100)	98(100)

52. Where do your children play mostly?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
in the house	486(57.2)	384(58.2)	38(51.4)	42(58.3)	77(41.4)	227(69.2)	102(53.7)	49(53.3)	53(54.1)
in street	43(5.1)	37(5.6)	6(8.1)	5(6.9)	19(10.2)	7(2.1)	6(3.2)	4(4.3)	2(2.0)
play ground	297(34.9)	220(33.3)	29(39.2)	25(34.7)	80(43.0)	86(26.2)	77(40.5)	39(42.4)	38(38.8)
garden	8(0.9)	7(1.1)	1(1.4)	0(0.0)	4(2.2)	2(0.6)	1(0.5)	0(0.0)	1(1.0)
Other	16(1.9)	12(1.8)	0(0.0)	0(0.0)	6(3.2)	6(1.8)	4(2.1)	0(0.0)	4(4.1)
	850(100)	660(100)	74(100)	72(100)	188(100)	328(100)	190(100)	92(100)	98(100)

53. How long have you been living in this Apt house?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
less than 6 months	582(61.5)	465(62.2)	17(21.2)	16(20.3)	57(29.2)	375(95.0)	117(58.8)	33(33.3)	84(84.0)
6 months to 1 year	220(23.3)	174(23.3)	16(20.0)	29(36.7)	116(59.5)	13(3.3)*	46(23.1)	34(34.3)	12(12.0)*
1 year to 2 years	104(11.0)	69(9.2)	15(18.8)	29(36.7)	21(10.8)	4(1.0)*	35(17.6)	31(31.3)	4(4.0)*
2-5 years	40(4.2)	39(5.2)	32(40.0)	5(6.3)	1(0.5)*	1(0.3)*	1(0.5)	1(1.0)*	0(0.0)
over 5 years	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	946(100)	747(100)	80(100)	79(100)	195(100)	393(100)	199(100)	99(100)	100(100)

* Figures are mislaid

54. Please mark what kind of heating in your apt. house

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Central hot water	240(25.4)	239(32.0)	79(98.7)	87(34.2)	7(3.6)	126(32.1)	1(0.5)	1(1.0)	0(0.0)
Ondol briquet	706(74.6)	508(68.0)	1(1.2)	52(65.8)	188(96.4)	267(67.9)	198(99.5)	98(99.0)	100(100.0)
	946(100)	747(100)	80(100)	79(100)	195(100)	393(100)	199(100)	99(100)	100(100)

55. Are you satisfied with your present heating system?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	648(69.1)	524(70.8)	55(71.4)	46(59.0)	116(60.1)	307(78.3)	124(62.6)	47(47.5)	77(77.8)
no	290(30.9)	216(29.2)	22(28.6)	72(41.0)	77(39.9)	85(21.7)	74(37.4)	52(52.5)	22(22.2)
	938(100)	740(100)	77(100)	78(100)	193(100)	392(100)	198(100)	99(100)	99(100)

57. For ondol-briquet heated unit only: you may know that central heating requires on initial downpayment of _____ and on additional monthly payment of _____, would you be willing to pay this, or are you satisfied with what you have:

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
willing to pay	213(29.7)	165(31.1)	3(14.3)	21(37.5)	66(36.1)	75(27.8)	48(25.7)	36(37.9)	12(13.0)
Satisfied	504(70.3)	365(68.9)	18(25.7)	35(62.5)	117(63.9)	195(72.2)	139(74.3)	59(62.1)	80(87.0)
	717(100)	530(100)	21(100)	56(100)	183(100)	270(100)	187(100)	95(100)	92(100)

58. If there were evening educational programs in your community, would you attend?

	Total	Sub total	A I D Apt.				National Apt.		
			73	74	75	76	Sub total	75	76
yes	457(48.6)	362(48.8)	45(51.9)	41(51.9)	85(43.1)	196(50.4)	95(47.7)	49(49.5)	46(46.0)
no	484(51.4)	380(51.2)	37(48.1)	38(48.1)	112(56.9)	193(49.6)	104(52.3)	50(50.5)	54(54.0)
	941(100)	742(100)	77(100)	79(100)	197(100)	389(100)	199(100)	99(100)	100(100)

59. If yes, what type of educational programs would you be interested in?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Completion of elementary school	40(8.1)	32(8.1)	4(9.5)	3(7.1)	5(5.3)	20(9.3)	8(8.2)	4(8.0)	4(8.0)
Completion of middle school	21(4.3)	19(4.8)	0(0.0)	0(0.0)	9(9.5)	10(4.7)	2(2.0)	2(4.0)	0(0.0)
Completion of high school	10(2.0)	9(2.3)	3(7.1)	1(2.4)	4(4.2)	1(0.5)	1(1.0)	0(0.0)	1(2.1)
Carpentry training	20(4.1)	17(1.8)	1(2.4)	0(0.0)	2(2.1)	4(1.9)	6(6.1)	2(4.0)	4(8.3)
Auto Mechanics training	20(4.1)	14(3.6)	1(2.4)	1(2.4)	4(4.2)	8(3.7)	6(6.1)	2(4.0)	4(8.3)
Drafts training	45(9.2)	35(8.9)	6(14.3)	4(9.5)	4(4.2)	21(9.8)	10(10.2)	7(14.0)	3(6.3)
Household management	10(2.0)	7(1.8)	0(0.0)	0(0.0)	4(4.2)	3(1.4)	3(3.1)	1(2.0)	2(4.2)
Secretarial	5(1.0)	3(0.8)	0(0.0)	0(0.0)	1(1.1)	2(0.9)	2(2.0)	2(4.0)	0(0.0)
Sewing	167(34.0)	142(36.1)	17(40.5)	21(50.0)	27(28.4)	77(36.0)	25(25.5)	13(26.0)	12(25.0)
Small business training	77(15.7)	61(15.5)	5(11.9)	4(9.5)	22(23.2)	30(14.0)	16(16.3)	8(16.0)	8(16.7)
Others(Specify)	83(16.9)	64(16.3)	5(11.9)	8(19.0)	13(13.7)	38(17.8)	19(19.4)	9(18.0)	10(20.8)
	491(100)	392(100)	42(100)	42(100)	95(100)	214(100)	98(100)	50(100)	48(100)

60. Would you be willing to pay for such educational programs?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	380(58.5)	306(59.6)	33(50.8)	39(68.4)	73(45.6)	161(69.7)	74(54.0)	44(17.9)	30(49.2)
no	270(41.5)	207(40.4)	32(49.2)	18(31.6)	87(54.4)	70(30.3)	63(46.0)	32(42.1)	31(50.8)
	650(100)	513(100)	65(100)	57(100)	160(100)	231(100)	137(100)	76(100)	61(100)

61. If yes, then how much do you think you could afford for month?

	Total	A I D Apt.				National Apt.			
		Sub total	73	74	75	76	Sub total	75	76
1. less than 1,000 Won	49(12.8)	34(11.4)	0(0.0)	5(12.2)	14(22.6)	16(9.4)	14(13.4)	5(0.2)	9(27.3)
2. 1,000 - 3,000 Won	168(43.8)	134(43.5)	11(31.4)	19(46.3)	23(37.1)	81(47.6)	34(44.7)	28(65.1)	6(18.2)
3. 3,000 - 5,000 Won	80(20.8)	67(21.8)	11(31.4)	8(19.5)	8(12.9)	40(23.5)	13(17.1)	5(11.6)	8(24.2)
4. more than 5,000 Won	87(22.7)	72(23.4)	13(37.1)	9(22.0)	17(27.4)	33(19.4)	15(19.7)	5(11.6)	10(30.3)
	384(100)	302(100)	35(100)	41(100)	62(100)	170(100)	76(100)	43(100)	33(100)

62. What other family members do you think would be interested in taking evening course?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
1. Parents of head	42(5.9)	34(6.1)	7(9.9)	1(1.7)	11(8.3)	15(3.1)	8(5.1)	6(6.6)	2(3.1)
2. Head's wife	343(48.1)	282(50.6)	24(33.8)	37(61.7)	59(44.4)	162(55.3)	61(39.1)	35(38.5)	26(40.0)
3. Head's brother and sister	24(3.4)	15(2.7)	2(2.8)	1(1.7)	6(4.5)	6(2.0)	2(5.8)	5(5.5)	4(6.2)
4. Children of head	33(4.6)	22(3.9)	2(2.8)	2(3.3)	10(7.5)	8(2.7)	11(7.1)	6(6.6)	5(7.7)
5. Head	78(10.9)	63(11.3)	4(5.6)	2(3.3)	25(16.8)	32(10.9)	15(9.6)	8(8.8)	7(10.8)
6. Others	193(27.1)	141(25.3)	32(45.1)	17(28.3)	22(16.5)	70(23.9)	52(33.3)	31(34.1)	21(32.3)
	713(100)	557(100)	71(100)	60(100)	133(100)	293(100)	156(100)	91(100)	15(100)

63. Evening education course interested in

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
completion of elementary school	27(5.6)	23(6.0)	2(5.4)	0(0.0)	4(4.1)	17(5.1)	4(4.0)	3(5.1)	1(2.5)
Completion of middle school	11(2.3)	9(2.3)	0(0.0)	0(0.0)	4(4.1)	2(3.4)	2(2.0)	2(3.4)	0(0.0)
Completion of high school	13(2.7)	12(3.1)	3(8.1)	1(2.4)	5(5.2)	0(0.0)	1(1.0)	0(0.0)	1(2.5)
Carpentry training	11(2.3)	6(1.6)	1(1.7)	1(2.4)	1(1.0)	2(3.4)	5(5.0)	2(3.4)	3(7.5)
Auto mechanics training	13(2.7)	10(2.6)	0(0.0)	0(0.0)	4(4.1)	1(1.7)	3(3.0)	1(1.7)	2(5.0)
Drafts training	45(9.3)	33(8.6)	16(16.2)	2(4.9)	4(4.1)	8(13.6)	12(12.1)	8(13.6)	4(10.0)
Household management	14(2.9)	8(2.1)	0(0.0)	0(0.0)	4(4.1)	9(5.1)	6(6.1)	3(5.1)	3(7.5)
Secretarial	5(1.0)	3(0.8)	0(0.0)	0(0.0)	1(1.0)	2(3.4)	2(2.0)	2(3.4)	0(0.0)
Sewing	171(35.3)	145(37.7)	15(40.5)	23(56.1)	91(32.0)	76(44.4)	26(26.3)	15(25.4)	11(27.5)
Small business training	70(14.5)	55(14.3)	4(10.8)	4(9.8)	14(14.4)	33(15.7)	15(15.2)	6(10.2)	9(22.5)
Other	104(21.5)	81(21.0)	6(16.2)	10(24.4)	25(25.8)	40(19.0)	23(23.2)	17(28.8)	6(15.0)
	484(100)	385(100)	37(100)	41(100)	97(100)	210(100)	99(100)	59(100)	40(100)

64. How much time would you be able to devote to such training?

	Total	A I D Apt.					National Apt.		
		Sub total , 73	74	75	76		Sub total	75	76
1. One hour 5 times a week	119(22.7)	99(23.6)	8(19.0)	10(23.3)	35(31.0)	46(20.7)	20(19.0)	11(18.3)	9(20.0)
2. One hour 2 times a week	295(56.2)	243(57.9)	26(61.9)	24(55.8)	59(52.2)	134(60.4)	52(49.5)	22(48.3)	23(51.1)
3. only one weekend	89(17.0)	61(14.5)	8(19.0)	6(13.6)	17(15.0)	28(12.6)	28(26.7)	17(28.3)	11(24.4)
4. Other (Specify)	22(4.2)	17(4.0)	0(0.0)	1(2.3)	2(1.8)	14(6.3)	5(4.8)	3(5.0)	2(4.4)
	525(100)	420(100)	42(100)	43(100)	113(100)	202(100)	105(100)	60(100)	45(100)

65. Assume that row houses are 20% more expensive than the Apartment you are in now.
Would you prefer to live there than here?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	625(28.3)	208(28.2)	8(10.1)	18(22.8)	94(49.2)	88(22.6)	57(28.8)	28(28.6)	29(29.0)
no	671(71.7)	530(71.8)	71(89.9)	61(77.2)	97(50.8)	301(77.4)	141(71.2)	70(71.4)	71(71.0)
	936(100)	738(100)	79(100)	79(100)	191(100)	389(100)	198(100)	98(100)	100(100)

66. If your income increases considerably would you be willing to stay or would you move to another place?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
stay	256(29.1)	200(26.8)	36(46.2)	23(29.1)	36(18.2)	105(26.9)	50(28.1)	28(28.3)	28(28.)
not sure	192(18.2)	139(18.6)	14(17.9)	7(8.9)	38(19.2)	20(20.5)	33(16.6)	15(15.1)	18(18.0)
move	517(54.7)	407(54.6)	28(35.9)	49(62.0)	124(62.6)	206(52.7)	110(55.3)	56(56.6)	54(54.0)
	945(100)	746(100)	78(100)	79(100)	198(100)	391(100)	199(100)	99(100)	100(100)

67. If you were to move, would you prefer bigger apt. a sing dwelling unit, ~~or a~~
~~row-house?~~

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
bigger apt.	351(46.2)	283(46.5)	38(73.1)	24(38.7)	64(35.3)	157(50.0)	69(44.8)	41(56.9)	28(34.2)
Single dwelling unit	411(53.9)	326(53.5)	14(26.9)	38(61.3)	117(64.6)	157(50.0)	85(55.2)	31(43.1)	54(65.9)
	763(100)	609(100)	52(100)	62(100)	181(100)	314(100)	154(100)	72(100)	82(100)

68. Do you think that the neighborhood is going to improve or deteriorate in the future?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	832(89.0)	653(88.7)	57(73.1)	65(83.3)	162(85.3)	369(94.6)	179(89.9)	84(84.8)	95(95.0)
no	103(11.0)	83(11.3)	21(26.9)	14(16.7)	28(14.7)	21(5.4)	20(10.1)	15(15.2)	5(5.0)
Please give reasons	-	-	-	-	-	-	-	-	-
	935(100)	736(100)	78(100)	78(100)	190(100)	390(100)	199(100)	99(100)	100(100)

69. Would you be willing to participate in voluntary community works such as cleaning streets, planting trees and etc. around you neighborhood?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes.	657(89.5)	523(70.0)	31(39.7)	55(69.6)	146(73.7)	291(74.2)	134(67.3)	56(56.6)	76(78.0)
no.	289(30.6)	224(30.0)	47(60.3)	24(30.4)	52(26.3)	101(25.8)	65(32.7)	43(43.4)	22(22.0)
	946(100)	747(100)	78(100)	79(100)	198(100)	392(100)	199(100)	99(100)	100(100)

70. How is the general health of children?

	Total	AID Apt					National Apt		
		Sub total	73	74	75	76	Sub total	75	76
1. Good	528(63.4)	400(61.6)	41(56.9)	53(74.6)	100(54.3)	206(64.0)	128(69.6)	58(55.2)	70(73.7)
2. Fair	287(34.7)	233(35.9)	30(41.7)	17(23.9)	75(40.8)	111(34.5)	54(29.3)	30(33.7)	24(25.3)
3. Bad	13(2.2)	16(2.5)	1(1.4)	1(1.4)	9(4.9)	5(1.6)	2(1.1)	1(1.1)	1(1.1)
	833(100)	694(100)	72(100)	71(100)	184(100)	322(100)	184(100)	89(100)	95(100)

72. Has the general health of your children improved since family move to this apt?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Considerably	61 (7.4)	45 (7.0)	7 (9.6)	3 (4.3)	17 (9.4)	18 (5.6)	16 (8.7)	9 (10.2)	7 ()
2. Some what	212 (25.7)	170 (26.4)	18 (24.7)	21 (30.0)	59 (32.8)	72 (22.5)	42 (22.0)	15 (17.0)	27 (28.4)
3. No difference	553 (66.9)	428 (66.6)	48 (65.8)	46 (65.7)	104 (57.8)	230 (71.9)	125 (68.3)	64 (72.7)	61 (64.2)
	826 (100)	643 (100)	73 (100)	70 (100)	180 (100)	320 (100)	183 (100)	88 (100)	95 (100)

73. At existing prices, would you move to another floor if you the opportunity?

	Total	A I D APT					National APT		
1. yes	392 (42.2)	303 (41.5)	33 (41.8)	36 (45.6)	98(41.3)	156 (40.6)	89 (44.7)	42 (42.4)	47 (47.0)
2. no	538 (57.8)	428 (58.5)	46 (58.2)	43 (54.4)	111(58.7)	228 (59.4)	110 (55.3)	57 (57.6)	53 (53.0)
	930 (100)	731 (100)	79 (100)	79 (100)	189(100)	384 (100)	199 (100)	99 (100)	100 (100)

74. If yes, which floor (assign priorities) .

Floor	Total	A I D					APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
(1) 1st	48 (9.8)	38 (9.8)	2 (5.3)	1 (2.5)	25 (21.2)	10 (5.2)	10 (9.2)	2 (4.5)	8 3.3
(2) 2nd	273 (55.5)	216 (55.7)	12 (31.6)	26 (65.0)	56 (47.5)	122 (63.5)	57 (54.8)	24 (54.5)	33 (55.0)
(3) 3rd	158 (32.1)	124 (32.0)	23 (30.5)	10 (25.0)	35 (29.7)	56 (29.2)	34 (32.7)	16 (36.4)	18 (37.0)
(4) 4th	6 (1.2)	5 (1.3)	0 (0.0)	2 (5.0)	0 (0.0)	3 (1.6)	1 (1.0)	0 (2.0)	1 (1.7)
(5) 5th	7 (1.4)	5 (1.3)	1 (2.6)	1 (2.5)	2 (1.7)	1 (0.5)	2 (1.9)	2 (4.5)	0 (0.0)
	492 (100)	388 (100)	38 (100)	40 (100)	118 (100)	192 (100)	104 (100)	44 (100)	60 (100)

75. How do you feel about, to air around your apt, compared to that of your previous community?

		A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. much better	236 (25.1)	185 (24.9)	15 (18.8)	28 (35.4)	59 (30.4)	83 (21.3)	51 (25.6)	31 (31.3)	20 (20.0)
2. some what better	444 (47.2)	344 (46.4)	33 (41.3)	31 (39.2)	32 (47.4)	188 (48.3)	00 (50.3)	38 (38.4)	62 (62.0)
3. some	176 (18.7)	146 (19.7)	18 (22.5)	16 (20.3)	29 (14.9)	83 (21.3)	30 (15.6)	19 (19.2)	11 (11.0)
4. worse	885 (9.0)	67 (9.0)	14 (17.5)	4 (5.2)	14 (7.2)	35 (9.0)	18 (9.0)	11 (11.1)	7 (7.0)
	941 (100)	742 (100)	80 (100)	79 (100)	194 (100)	389 (100)	199 (100)	99 (100)	100 (100)

76. Do you feel safe here in terms of crime and vandalism compared to your previous community?

	Total	AID Apt					National Apt		
		Sub total	73	74	75	76	Sub total	75	76
1. much safer	273(28.8)	227(30.3)	22(27.5)	33(41.8)	56(23.6)	16(29.5)	42(21.2)	24(24.2)	18(18.2)
2. some what safer	392(41.4)	279(37.3)	19(23.8)	35(44.3)	121(56.5)	124(31.8)	113(57.1)	46(46.5)	67(67.7)
3. same	269(22.1)	177(23.7)	27(33.7)	6(7.6)	35(17.9)	109(27.7)	32(16.2)	22(22.2)	10(10.1)
4. worse	29(2.7)	20(2.7)	12(15.0)	5(6.3)	2(1.0)	1(0.3)	9(4.5)	7(7.1)	2(2.0)
5. others	47(5.0)	45(6.0)	0(0.0)	0(0.0)	2(1.0)	43(10.9)	2(1.0)	0(0.0)	2(2.0)
	946(100)	748(100)	80(100)	79(100)	196(100)	393(100)	198(100)	99(100)	99(100)

77. How does your family spend leisure time? (where you live now)

	Total	A I D					National		
		APT		APT			APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1.movies	7 (0.7)	5 (0.8)	1 (1.2)	0 (0.0)	4 (2.0)	1 (0.3)	1 (0.5)	0 (0.0)	1 (1.0)
2.sports	35 (3.7)	28 (3.8)	5 (6.3)	3 (3.8)	8 (4.1)	12 (3.1)	7 (3.5)	5 (5.1)	2 (2.0)
3.no leisure time	97 (10.3)	78 (10.5)	5 (6.3)	4 (5.1)	18 (9.3)	51 (13.0)	19 (9.5)	10 (10.1)	9 (9.0)
4.TV or read	667 (70.7)	527 (70.9)	57 (71.2)	55 (70.5)	146 (75.3)	269 (68.6)	140 (70.4)	69 (69.7)	71 (71.0)
5.visit friends and relatives	63 (6.7)	47 (6.3)	6 (7.5)	8 (10.3)	7 (3.6)	26 (6.6)	16 (8.0)	10 (10.1)	6 (6.0)
6.other (specify)	74 (7.8)	58 (7.8)	6 (7.5)	8 (10.3)	11 (5.7)	33 (8.4)	16 (8.0)	5 (5.1)	11 (11.0)
	943 (100)	744 (100)	80 (100)	78 (100)	194 (100)	392 (100)	199 (100)	99 (100)	120 (100)

78. How does your family spend leisure time ?

(where you lived previously)

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Movies	18 (1.9)	17 (2.3)	1 (1.2)	2 (2.6)	7 (3.6)	7 (1.8)	1 (0.5)	0 (0.0)	1 (1.0)
2. Sports	62 (6.6)	53 (7.2)	8 (10.0)	3 (3.8)	17 (8.9)	25 (6.4)	9 (4.5)	6 (6.1)	3 (3.0)
3. No leisure time	102 (10.9)	85 (11.5)	8 (10.0)	11 (14.1)	21 (10.9)	45 (11.5)	17 (8.6)	8 (8.2)	9 (9.0)
4. TV or radio	554 (69.0)	432 (58.3)	47 (58.8)	40 (51.3)	109 (56.7)	236 (60.4)	122 (61.7)	63 (64.3)	59 (59.0)
5. Visit friends & relatives	117 (12.5)	91 (11.3)	9 (11.2)	13 (16.7)	27 (14.1)	42 (10.7)	26 (13.1)	15 (15.3)	11 (11.0)
6. Other(specify)	86 (9.2)	63 (8.5)	7 (8.8)	9 (11.5)	11 (5.7)	36 (9.2)	23 (16.6)	6 (6.1)	17 (17.0)
	939 (100)	741 (100)	80 (100)	78 (100)	192 (100)	391 (100)	196 (100)	98 (100)	100(100)

79. Are there recreational facilities near where you live now?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Yes	837(90.2)	675(92.3)	80(75.9)	65(84.5)	178(94.7)	372(96.1)	152(82.3)	83(94.5)	80(80.0)
No	91(9.8)	56(7.7)	19(24.1)	12(15.5)	10(5.3)	15(3.9)	35(17.7)	15(15.5)	20(20.0)
	928(100)	731(100)	79(100)	77(100)	188(100)	387(100)	197(100)	97(100)	100(100)

80. Are there recreational facilities near where you lived previously?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
yes	439(46.8)	353(47.8)	42(52.5)	28(35.4)	88(46.1)	195(50.1)	86(43.2)	40(40.4)	46(46.0)
no	449(53.2)	386(52.2)	38(47.5)	51(64.6)	103(53.9)	194(49.9)	113(56.8)	59(59.6)	54(54.0)
	938(100)	739(100)	80(100)	79(100)	191(100)	389(100)	199 (100)	99(100)	100(100)

81. Are you familiar with your neighbors?

	Total	A I D					AFT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. yes	229 (24.4)	172 (23.2)	23 (28.8)	32 (40.5)	64 (33.2)	53 (13.6)	57 (28.6)	19 (19.2)	38 (38.0)
2. no	316 (33.6)	241 (32.5)	43 (53.7)	37 (46.8)	89 (46.1)	72 (18.5)	75 (37.7)	50 (50.5)	25 (25.0)
3. not yet	395 (42.0)	328 (43.3)	14 (17.5)	10 (12.7)	40 (20.7)	264 (67.9)	67 (33.7)	30 (30.3)	37 (37.0)
	940 (100)	741 (100)	80 (100)	79 (100)	193 (100)	389 (100)	199 (100)	99 (100)	100 (100)

82. How many family members do you have?

	Total	A I D				A F T			
		Sub Total	'73	'74	'75	'76	National Sub Total	'75	'76
1. 2 person	151 (15.9)	138 (18.5)	10 (12.5)	12 (15.4)	30 (15.2)	86 (21.8)	13 (6.5)	5 (5.1)	8 (8.0)
2. 3 "	230 (24.3)	178 (23.8)	13 (16.2)	19 (24.4)	37 (18.8)	109 (27.7)	52 (26.1)	24 (24.2)	28 (28.0)
3. 4 "	270 (28.5)	213 (28.5)	24 (30.0)	23 (29.5)	64 (32.5)	102 (25.0)	57 (28.6)	27 (27.3)	30 (30.0)
4. 5 "	190 (20.1)	152 (20.3)	24 (20.0)	19 (24.4)	45 (22.8)	64 (16.3)	33 (19.1)	22 (22.2)	16 (16.0)
5. 6 "	75 (7.9)	52 (7.0)	8 (10.0)	3 (3.8)	13 (6.6)	28 (7.1)	23 (11.6)	11 (11.1)	12 (12.0)
6. 7 "	28 (3.0)	13 (1.7)	1 (1.2)	2 (2.6)	7 (3.6)	3 (0.8)	15 (7.5)	9 (9.1)	6 (6.0)
7. 8 "	2 (0.2)	2 (0.3)	0 (0.0)	0 (0.0)	1 (0.5)	1 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)
8. 9 "	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.5)	1 (1.0)	0 (0)
	947 (100)	748 (100)	80 (100)	78 (100)	197 (100)	393 (100)	199 (100)	99 (100)	100 (100)

83. The age of household?

	Total	A I D				National			
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. under 24 age	14 (1.5)	12 (1.6)	0 (0.0)	3 (3.3)	2 (2.1)	7 (1.8)	2 (1.1)	2 (2.0)	0 (0.0)
2. 25 to 29 "	81 (9.7)	81 (11.1)	4 (5.0)	4 (5.1)	20 (11.2)	53 (13.5)	8 (4.2)	3 (3.0)	5 (5.6)
3. 30 to 34 "	334 (36.3)	273 (37.4)	16 (20.0)	37 (46.3)	69 (38.8)	151 (38.4)	61 (32.3)	33 (31.3)	28 (31.1)
4. 35 to 39 "	228 (24.8)	177 (24.2)	24 (30.0)	16 (20.3)	36 (20.2)	101 (25.7)	51 (27.0)	29 (29.3)	22 (24.4)
5. 40 to 44 "	112 (12.2)	92 (12.6)	17 (21.2)	8 (10.1)	24 (13.5)	43 (10.9)	20 (10.5)	9 (9.1)	11 (12.2)
6. 45 to 49 "	50 (5.4)	32 (4.4)	7 (8.8)	5 (6.3)	5 (2.8)	15 (3.8)	18 (9.5)	8 (8.1)	10 (11.1)
7. 50 to 54 "	40 (5.1)	32 (4.4)	5 (6.3)	3 (3.8)	11 (6.2)	13 (3.3)	15 (7.9)	7 (7.1)	8 (8.9)
8. 55 to 59 "	26 (2.8)	20 (2.7)	3 (3.7)	1 (1.3)	9 (5.1)	7 (1.8)	6 (3.2)	5 (5.1)	1 (1.1)
9. over 60 "	19 (2.1)	11 (1.5)	4 (5.0)	2 (2.5)	2 (2.1)	3 (0.8)	8 (4.2)	3 (3.0)	5 (5.6)
	919 (100)	730 (100)	80 (100)	79 (100)	178 (100)	393 (100)	189 (100)	99 (100)	90 (100)

84. Schooling of head of household ?

	Total	A I D					National		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Under elementary school	15 (1.6)	8 (1.1)	1 (1.3)	0 (0.0)	5 (2.6)	2 (0.5)	7 (3.6)	0 (0.0)	7 (7.1)
2. Middle school	43 (4.6)	26 (3.5)	0 (0.0)	2 (2.6)	16 (8.4)	8 (2.1)	17 (8.6)	5 (5.1)	12 (12.1)
3. High school	232 (24.9)	18 (25.0)	6 (7.7)	20 (25.6)	63 (33.2)	99 (25.5)	44 (22.5)	10 (10.2)	34 (34.3)
4. 2 years college	90 (9.7)	73 (9.9)	3 (3.8)	5 (6.4)	22 (11.6)	43 (11.1)	17 (8.6)	8 (8.2)	9 (9.1)
5. College and University	551 (59.2)	439 (59.8)	38 (87.2)	51 (65.4)	84 (44.2)	236 (60.8)	112 (56.9)	75 (76.5)	37 (37.4)
	931 (100)	734 (100)	78 (100)	78 (100)	190 (100)	388 (100)	197 (100)	98 (100)	99 (100)

85 - 1. Occupation of head of household ?

	Total	A I D				National			
		Sub Total	AFT			AFT			
			'73	'74	'75	'76	Sub Total	'75	'76
1. Unemployed	39 (4.1)	26 (3.5)	5 (6.3)	1 (1.3)	11 (5.6)	9 (2.3)	13 (6.6)	7 (7.1)	6 (6.1)
2. Temporally emp- loyed	19 (2.0)	14 (1.9)	0 (0.0)	0 (0.0)	7 (3.6)	7 (1.8)	5 (2.5)	0 (0.0)	5 (5.1)
3. Unskilled work- er	5 (0.5)	2 (0.3)	0 (0.0)	0 (0.0)	1 (0.5)	1 (0.3)	3 (1.5)	1 (1.0)	2 (2.0)
4. Skilled worker	13 (1.4)	8 (1.1)	0 (0.0)	1 (1.3)	4 (2.1)	3 (0.3)	5 (2.5)	0 (0.0)	5 (5.1)
5. Student	18 (1.9)	16 (2.1)	1 (1.3)	1 (1.3)	3 (1.5)	11 (2.8)	2 (1.0)	1 (1.0)	1 (1.0)
6. Teacher	73 (7.7)	80 (8.1)	4 (5.1)	12 (15.4)	20 (10.3)	24 (6.1)	13 (6.6)	6 (6.1)	7 (7.1)
7. Technician	93 (9.9)	71 (9.5)	4 (5.1)	6 (7.7)	19 (9.7)	42 (10.7)	22 (11.1)	11 (11.1)	11 (11.1)
8. Office man	576 (61.1)	472 (63.4)	50 (63.3)	54 (69.2)	106 (54.4)	262 (66.7)	104 (52.5)	55 (55.6)	49 (49.5)
9. Company & domes- tic factory	13 (13.1)	76 (10.2)	15 (19.0)	3 (3.8)	24 (12.3)	34 (8.7)	31 (15.7)	18 (18.2)	13 (13.1)
	943 (100)	745 (100)	79 (100)	78 (100)	195 (100)	393 (100)	198 (100)	99 (100)	99 (100)

85 - 2. Nature of work of head household ?

	Total	A I D				National			
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Public servant	283 (31.4)	226 (31.2)	21 (28.4)	41 (53.2)	70 (36.8)	94 (21.5)	57 (32.4)	29 (31.2)	28 (38.7)
2. Manufactures	200 (22.2)	176 (24.3)	11 (14.9)	16 (20.8)	26 (13.7)	123 ()	24 (13.4)	13 (14.0)	11 (13.3)
3. Construction	73 (8.7)	59 (8.1)	6 (8.1)	3 (3.9)	12 (6.3)	38 ()	19 (10.8)	12 (12.9)	7 (8.4)
4. Banking & commerce	165 (18.3)	130 (18.0)	26 (35.1)	6 (7.8)	31 (16.3)	67 (17.5)	35 (19.9)	18 (19.4)	17 (20.5)
5. Retail shopowner	21 (2.3)	16 (2.2)	2 (2.7)	0 (0.0)	3 (4.1)	6 (1.6)	5 (2.8)	3 (3.2)	2 (2.4)
6. Service	87 (7.4)	50 (6.9)	4 (5.4)	9 (11.7)	23 (12.1)	14 (3.7)	17 (9.7)	6 (6.5)	11 (13.4)
7. Public business	58 (6.4)	46 (6.2)	4 (5.4)	1 (1.3)	12 (6.3)	28 (7.3)	13 (7.4)	9 (9.7)	4 (4.8)
8. Transportation	28 (3.1)	22 (3.0)	0 (0.0)	1 (1.3)	6 (4.2)	13 (3.4)	6 (3.4)	3 (3.2)	3 (3.6)
	900 (100)	724 (100)	74 (100)	77 (100)	190 (100)	383 (100)	176 (100)	93 (100)	83 (100)

86. How many employed family members do you have?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
1 person	830(89.4)	664(90.3)	65(83.1)	68(91.9)	178(93.7)	354(90.8)	166(84.3)	84(85.7)	82(82.8)
2 persons	92(9.9)	62(8.5)	12(15.6)	6(8.1)	11(5.8)	33(8.5)	30(15.2)	13(13.3)	17(17.2)
3 "	5(0.5)	4(0.5)	1(1.3)	0(0.0)	0(0.0)	3(0.8)	1(0.5)	1(1.0)	0(0.0)
4 "	1(0.1)	1(0.1)	0(0.0)	0(0.0)	1(0.5)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	928(100)	731(100)	77(100)	74(100)	190(100)	390(100)	197(100)	98(100)	99(100)

87. Total household monthly income

Total	A I D Apt.					National Apt.		
	Sub total	73	74	75	76	Sub total	75	76
W85,624.-	87,937	210,000	80,056	82,332	68,667	76,784	86,837	67,082

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89. What was your total household monthly income before you purchased this apartment?

Total	A I D Apt.				National Apt.			
	Sub total	73	74	75	76	Sub total	75	76
82,852	84,842	214,000	81,364	75,837	67,438	75,693	84,808	66,670

90-1 Location of work - Head of household

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
within 1 Km	27(2.9)	22(3.0)	1(2.6)	4(5.2)	5(2.6)	11(2.8)	5(2.6)	2(2.1)	3(3.1)
1-5 Km	204(22.1)	180(24.6)	4(5.3)	36(46.8)	59(30.9)	81(20.9)	24(12.4)	7(7.3)	17(17.5)
5-10 Km	292(31.6)	226(30.9)	24(31.6)	14(18.2)	62(32.5)	126(32.5)	66(34.2)	33(34.4)	33(34.0)
over 10 Km	402(43.5)	304(41.5)	46(50.5)	23(29.9)	65(34.0)	170(43.8)	90(50.8)	54(56.3)	44(45.4)
	925(100)	732(100)	76(100)	77(100)	191(100)	388(100)	193(100)	96(100)	97(100)

90-2 Location of work - other household member

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
within 1Km	11(8.5)	9(9.9)	3(21.4)	0(0.0)	1(3.3)	5(12.8)	2(5.1)	1(4.0)	1(7.1)
1-5 Km	35(26.9)	31(34.1)	1(7.1)	7(87.5)	16(53.3)	7(17.9)	4(10.3)	3(12.0)	1(7.1)
5-10 Km	26(20.0)	12(13.2)	1(7.1)	0(0.0)	2(6.7)	9(23.1)	14(35.9)	10(40.0)	4(28.6)
over 10Km	58(44.6)	39(42.9)	9(64.3)	1(12.5)	11(36.7)	18(46.2)	19(48.7)	11(44.0)	8(57.1)
	130(100)	91(100)	14(100)	8(100)	30(100)	39(100)	39(100)	25(100)	14(100)

91-1 Means of transportation - Head of household

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
On foot	33(3.6)	22(3.0)	2(2.7)	2(2.6)	6(3.1)	12(3.1)	11(5.7)	2(2.1)	9(9.3)
Bus	765(82.7)	594(81.3)	39(52.0)	61(80.3)	164(85.4)	330(85.1)	171(88.1)	85(37.6)	86(88.6)
Taxi*	86(9.3)	78(10.7)	32(42.7)	8(10.5)	15(7.8)	23(5.9)	8(4.1)	6(6.2)	2(2.1)
Train	6(0.6)	4(0.5)	0(0.0)	2(2.6)	2(1.0)	0(0.0)	2(1.0)	2(2.1)	0(0.0)
Subway	13(1.9)	18(2.5)	0(0.0)	1(1.3)	2(1.0)	15(3.9)	0(0.0)	0(0.0)	0(0.0)
Others	17(1.8)	15(2.1)	2(2.7)	2(2.6)	3(1.6)	8(2.1)	2(1.0)	2(2.1)	0(0.0)
	925(100)	731(100)	75(100)	76(100)	192(100)	388(100)	194(100)	97(100)	97(100)

* In case of such a large apartment community, it is presently popular to use organized car pool by taxi for community.

92 - 2. Means of transportation - other household member.

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. On foot	9 (6.7)	6 (6.4)	2 (13.3)	0 (0.0)	2 (6.9)	1 (4.2)	3 (7.3)	1 (4.2)	2 (11.8)
2. Bus	113 (83.7)	75 (79.8)	10 (86.7)	6 (85.7)	24 (82.8)	35 (81.4)	38 (92.7)	23 (95.8)	15 (88.2)
3. Taxi	8 (5.9)	8 (8.5)	3 (20.0)	0 (0.0)	2 (6.9)	3 (7.0)	0 (0.0)	0 (0.0)	0 (0.0)
4. Train	1 (0.7)	1 (1.1)	0 (0.0)	0 (0.0)	1 (3.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
5. Subway	4 (3.0)	4 (4.3)	0 (0.0)	1 (14.5)	0 (0.0)	3 (7.0)	0 (0.0)	0 (0.0)	0 (0.0)
	135 (100)	94 (100)	15 (100)	7 (100)	29 (100)	43 (100)	41 (100)	24 (100)	17 (100)

94. How much have you managed to save up to now?

Total	A I D Apt.					National Apt.		
	Sub total	73	74	75	76	Sub total	75	76
821,000	793,000	856,000	1,010,000	564,000	803,000	948,000	1,010,000	834,000

95. How much are you able to save each month?

Total	A I D Apt.					National Apt.		
	Sub total	73	74	75	76	Sub total	75	76
12,461	13,341	36,000	9,104	13,878	10,994	9,730	8,609	11,497

96 - 105. How do you plan to use your savings?

Please give percentage of your total savings to each item.

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
96. education	27.3	26.9	29.5	25.1	24.0	30.4	28.7	29.6	27.9
97. Dwelling	39.6	40.9	30.7	32.9	31.5	47.1	34.5	31.2	36.8
98. Business	31.6	30.6	32.0	25.0	30.8	31.9	34.2	36.5	30.4
99. Emergency	21.9	22.4	33.8	19.4	20.2	22.7	20.3	22.8	17.8
100. Marriage	20.7	24.3	20.0	24.4	18.1	31.3	18.8	23.8	11.8
101. Medical	13.2	13.8	18.2	9.3	11.3	16.2	10.9	10.5	11.4
102. Others	34.8	32.2	40.0	24.4	22.4	37.2	43.4	52.3	30.0
103. Purchase of property	22.3	22.2	36.7	23.0	16.7	23.6	22.7	35.0	8.0
104. Bond investment	32.6	33.7	36.0	28.3	28.1	36.5	28.0	29.2	26.7
105. School fee for children	24.2	24.8	33.3	33.0	16.9	23.9	21.9	25.7	19.5

106. Do you have any loan commitments other to KINHC ?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
Yes	83 (8.8)	58 (7.8)	5 (6.3)	5 (6.4)	18 (9.1)	30 (7.7)	25 (12.6)	14 (14.3)	11 (11.0)
No	859 (91.2)	686 (92.2)	74 (93.7)	73 (93.6)	180 (90.9)	359 (92.3)	173 (87.4)	84 (85.7)	89 (89.0)
	942 (100)	744 (100)	79 (100)	78 (100)	198 (100)	389 (100)	198 (100)	98 (100)	100 (100)

107. If yes, please fill the space

Desirable amount W

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
Desirable amount (near)	1,400,000	1,350,000	3,000,000	1,30,000	1,000,000	1,270,000	1,520,000	1,420,000	1,630,000

108. If yes, please fill the space below.

Purpose of loan.

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Capital for other business	18 (21.4)	16 (2 .1)	1 (20.0)	1 (20.0)	5 (25.0)	9 (31.0)	2 (8.0)	2 (14.3)	0 (0.0)
2. Purchase of house	19 (22.6)	11 (18.5)	1 (20.0)	2 (40.0)	4 (20.0)	4 (13.8)	8 (32.0)	1 (7.1)	7 (63.6)
3. Investment	41 (43.8)	27 (45.8)	2(40.0)	1 (20.0)	10 (50.0)	14 (48.3)	14 (56.0)	11 (78.6)	3((27.3)
4. Others	6 (7.1)	5(8.5)	1(20.0)	1 (20.0)	1(5.0)	2 (6.9)	1 (4.0)	0 (0.0)	1 (9.1)
	84 (100)	59(100)	5(100)	5 (100)	20(100)	29 (100)	25 (100)	14 (100)	11 (100)

109. Monthly payment. (mean)

Total	AID Apt					National Apt		
	Total	73	74	75	76	Total	75	76
12,847	13,137	23,750	13,333	15,500	12,197	9,137	10,480	14,588

111. What were your largest household expenditures where you lived previously ?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
<u>Amount monthly (mean)</u>									
1. Food & beverage	24,742	24,594	42,965	25,303	21,319	23,379	25,276	29,747	20,850
2. Housing	11,554	11,490	13,769	11,402	14,278	9,655	11,773	13,024	11,458
3. Fuel & light	6,659	6,564	14,762	6,564	5,582	6,143	7,000	8,112	5,840
4. Clothing	7,030	7,150	10,129	8,106	6,639	6,772	6,606	6,752	6,458
5. Education	10,114	10,116	19,536	11,520	9,947	7,614	10,106	11,750	8,516
6. Taxes & debt Interest	6,915	6,810	16,909	6,171	5,329	5,730	7,182	8,031	6,306
7. Others	14,449	15,495	33,072	17,178	12,956	14,402	10,526	11,647	9,510
8. Total	88,878	94,116	124,210	-	70,214	63,954	69,924	78,626	61,310

Cont'd

	Total	A I D			APT		National		APT
		Total	'73	'74	'75	'76	Total	'75	'76
Amount yearly (mean)									
1. Food & beverage	297,980	297,079	485,175	338,189	258,065	279,801	301,206	355,414	247,540
2. Housing	140,500	138,727	172,134	143,623	171,655	115,553	146,494	144,857	148,166
3. Fuel & light	79,782	78,279	156,658	80,384	67,292	74,546	85,104	99,898	69,680
4. Clothing	82,268	82,437	109,722	98,213	77,730	77,611	81,666	80,515	82,842
5. Education	122,781	122,055	234,146	167,479	112,687	91,724	125,245	145,416	105,725
6. Taxes & debt Interest	80,178	76,699	162,702	83,142	61,467	65,234	89,464	96,757	81,573
7. Others	172,523	185,004	327,428	265,067	153,960	167,861	125,491	139,976	112,108
8. Total	871,959	881,085	1,463,754	1,023,063	871,163	772,681	839,261	943,727	735,840

111-2 What were your largest household expenditures where you live now?

	Total	AID Apt					National Apt		
		Sub total	73	74	75	76	Sub total	75	76
Amount monthly (mean)									
Food & beverages	25,710	25,664	45,609	26,038	22,269	23,932	25,874	30,373	21,420
Housing	13,744	13,890	25,656	13,342	14,351	11,751	13,241	13,757	12,708
Total & light	7,059	7,111	13,553	6,329	5,790	6,494	6,874	7,592	6,118
Clothing	7,021	7,205	11,017	7,906	6,719	6,682	6,338	6,245	6,530
Education	10,708	10,798	21,702	11,216	10,510	8,045	18,400	11,390	9,361
Taxes & debt interest	7,787	7,549	20,256	4,710	5,585	6,157	8,369	10,087	6,426
Others	14,784	15,825	38,354	14,907	14,665	24,596	20,916	11,674	10,215
Total	94,066	99,398	125,656	-	73,746	65,349	72,812	81,606	63,928

Cont'd

	Total	AID Apt.					National Apt		
		Sub total	73	74	75	76	Sub total	75	76
Amount yearly (mean)									
Food & beverages	308,842	309,253	511,812	352,227	268,478	226,336	307,316	362,666	252,520
Housing	163,926	165,429	307,400	170,835	109,200	133,242	158,738	165,656	151,604
Total & light	85,488	86,456	230,891	78,405	73,330	70,388	82,057	91,234	72,387
Clothing	85,030	87,240	149,933	100,346	79,719	73,104	77,377	75,091	79,663
Education	129,930	131,152	256,304	173,470	121,048	94,733	125,776	138,640	112,278
Taxes & debt interest	39,380	84,789	193,204	70,666	65,166	70,006	102,977	120,528	82,836
Others	175,616	183,619	387,122	256,233	171,666	158,343	126,726	146,116	108,795
Total	959,182	983,952	1,706,765	-	879,570	782,396	870,432	976,626	765,300

112-116 We need to get some idea about the sources of household income, please indicate whether any household income come from the following sources last year.

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
112. Salaries									
yes	804(85.4)	650(87.4)	62(78.5)	73(92.4)	162(83.5)	353(90.1)	154(77.6)	77(77.8)	77(77.8)
no	138(14.6)	94(12.6)	17(21.5)	6(7.6)	32(16.5)	39(9.9)	44(22.2)	22(22.2)	22(22.2)
	942(100)	744(100)	79(100)	79(100)	194(100)	392(100)	198(100)	99(100)	99(100)
113. Bonus									
yes	712(75.8)	583(78.7)	57(72.2)	67(84.8)	147(77.0)	312(79.6)	129(65.2)	68(68.7)	61(61.6)
no	227(24.2)	158(21.3)	22(27.8)	12(15.2)	44 (23.0)	80(20.4)	69(34.8)	31(31.3)	38(38.4)
	929(100)	741(100)	79(100)	79(100)	191(100)	392(100)	198(199)	99(100)	99(100)
114. Any business income									
yes	183(19.6)	132(18.0)	27(34.2)	10(12.7)	41(22.4)	54(13.8)	51(25.6)	29(29.3)	22(22.0)
no	749(80.4)	601(82.0)	52(65.8)	69(87.3)	142(77.6)	338(86.2)	148(74.4)	70(70.7)	78(78.0)
	932(100)	733(100)	79(100)	79(100)	183(100)	392(100)	199(100)	99(100)	99(100)

115. Interest from loans

yes	169(18.2)	137(18.7)	23(29.1)	15(19.0)	42(23.0)	57(14.5)	32(16.2)	18(18.2)	14(14.1)
no	762(81.8)	596(81.3)	56(70.9)	64(81.0)	141(77.0)	335(85.5)	166(83.8)	81(81.8)	85(85.9)
	931(100)	733(100)	79(100)	79(100)	183(100)	392(100)	198(100)	99(100)	99(100)
116. Other sources									
yes	185(20.0)	148(20.4)	24(30.4)	18(22.8)	43(24.4)	63(16.1)	37(18.7)	17(17.2)	20(20.2)
no	739(80.0)	578(79.6)	55(69.6)	61(77.2)	133(75.6)	329(83.9)	161(81.3)	82(82.8)	79(79.8)
	924(100)	726(100)	79(100)	79(100)	176(100)	392(100)	198(100)	99(100)	99(100)

117. Please estimate which of the following categories best represents your total household income for last year.

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
less than 100,000 Won	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
100,000 to 250,000 Won	9(1.0)	2(0.3)	0(0.0)	0(0.0)	2(1.0)	0(0.0)	7(3.5)	0(0.0)	7(7.0)
250,000 to 500,000 Won	13(1.5)	11(1.7)	0(0.0)	0(0.0)	2(1.0)	9(2.7)	2(1.0)	0(0.0)	2(2.0)
500,000 to 1,000,000 Won	615(71.3)	479(72.2)	1(1.3)	36(66.7)	144(72.7)	298(89.2)	136(68.3)	51(51.5)	85(85.0)
1,000,000 to 1,500,000 Won	149(17.3)	96(14.5)	7(9.1)	18(33.3)	44(22.2)	27(8.1)	53(26.6)	47(47.3)	6(6.0)
1,500,000 to 2,000,000 Won	22(2.6)	21(3.2)	17(22.1)	0(0.0)	4(2.0)	0(0.0)	1(0.5)	1(1.0)	0(0.0)
over 2,000,000 Won	54(6.3)	54(8.1)	52(67.5)	0(0.0)	2(1.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	862(100)	663(100)	77(100)	54(100)	198(100)	334(100)	199(100)	99(100)	199(100)

120. Key money

	Total	AID Apt					National Apt		
		Total	73	74	75	76	Total	75	76
1. Less than 300,000-	1(5.9)	1(7.1)	0(0.0)	0(0.0)	1(50.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
2. 300,000 to 500,000	3(17.7)	2(14.2)	0(0.0)	1(25.0)	1(50.0)	0(0.0)	1(33.3)	1(33.3)	0(0.0)
3. 500,000 to 1,000,000	5(29.4)	3(21.6)	0(0.0)	3(75.0)	0(0.0)	0(0.0)	2(66.7)	2(66.7)	0(0.0)
4. more than 1,000,000	8(47.0)	8(57.1)	8(100)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)
	17(100)	14(100)	8(100)	4(100)	2(100)	0(0.0)	3(100)	3(100)	0(0.0)

121. For rent monthly.

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Less than 5,000	8 (13.3)	6 (19.4)	0 (0.0)	0 (0.0)	6 (31.6)	0 (0.0)	2 (6.9)	0 (0.0)	2 (7.1)
2. 5,000 to 10,000	18 (30.0)	3 (9.7)	0 (0.0)	1 (14.3)	2 (10.5)	0 (0.0)	15 (51.7)	0 (0.0)	15 (53.6)
3. 10,000 to 15,000	21 (35.0)	12 (36.7)	0 (0.0)	5 (71.4)	5 (26.3)	2 (50.0)	9 (31.0)	1 (100)	8 (28.6)
4. more than 15,000	13 (21.7)	10 (32.2)	1 (100)	1 (14.3)	6 (31.6)	2 (50.0)	3 (10.3)	0 (0.0)	3 (10.7)
	60 (100)	31 (100)	1 (100)	7 (100)	19 (100)	4 (100)	29 (100)	1 (100)	28 (100)

122. How any household members ever belonged to gye ?

* If yes answer the following questions.

123. How many eye do they belong to now ?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. One	203 (59.9)	159 (58.5)	15 (51.7)	21 (61.8)	32 (56.1)	91 (59.9)	44 (65.7)	28 (63.6)	16 (69.6)
2. Two	100 (29.5)	85 (31.3)	9 (31.0)	10 (27.4)	17 (29.8)	49 (32.2)	15 (22.4)	9 (20.5)	6 (26.1)
3. Three	33 (9.7)	25 (9.2)	5 (17.2)	3 (8.8)	7 (12.3)	10 (6.6)	8 (11.9)	7 (15.9)	1 (4.3)
4. Four	3 (0.9)	3 (1.1)	0 (0.0)	0 (0.0)	1 (1.8)	2 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)
5. None	-	-	-	-	-	-	-	-	-
	339 (100)	272 (100)	29 (100)	34 (100)	57 (100)	152 (100)	67 (100)	44 (100)	23 (100)

124. How much do they pay to gve each month.

Total	A I D APT					National APT		
	Total	'73	'74	'75	'76	Total	'75	'76
14,174	14,779	34,069	11,785	13,100	12,134	11,475	6,700	20,571

125. Do they belong to you for special purposes ? (explain)

	Total	A I D				APT				National		APT
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76			
1. Purchase of housing	113 (35.1)	94 (36.7)	7 (24.5)	11 (34.4)	23 (41.8)	53 (37.9)	19 (28.8)	8 (18.6)	11 (47.9)			
2. Education	52 (16.1)	42 (6.4)	3 (10.3)	5 (15.6)	9 (16.4)	25 (17.9)	10 (15.2)	9 (20.9)	1 (4.3)			
3. Savings	81 (25.2)	57 (22.3)	8 (27.6)	9 (28.1)	13 (23.6)	27 (19.3)	24 (36.4)	19 (44.2)	5 (21.7)			
4. Purchase of furniture	5 (1.6)	4 (1.6)	0 (0.0)	1 (3.1)	1 (1.8)	2 (1.4)	1 (1.5)	1 (2.3)	0 (0.0)			
5. Debt repayment	9 (2.8)	8 (3.1)	1 (3.4)	1 (3.1)	2 (3.6)	4 (2.9)	1 (1.5)	0 (0.0)	1 (4.3)			
6. Business	23 (7.1)	20 (7.8)	2 (6.9)	1 (3.1)	4 (7.3)	13 (9.3)	3 (4.5)	3 (7.0)	0 (0.0)			
7. Others	39 (12.1)	31 (12.5)	8 (27.6)	4 (12.5)	3 (5.5)	16 (11.4)	8 (12.1)	3 (7.0)	5 (21.7)			
	322 (100)	256 (100)	29 (100)	32 (100)	55 (100)	140 (100)	66 (100)	43 (100)	23 (100)			

126. How much does the gye pay ?

Total	A I D APT					National APT		
	Total	'73	'74	'75	'76	Total	'75	'76
684, 872	683,419	791,071	750,000	603,200	686,420	670,967	730,952	545,000

127. Do you rent any ^{space} or rooms in this apartment to other persons ?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
Yes	12 (1.3)	5 (0.7)	1 (1.2)	1 (1.3)	2 (1.0)	11 (0.3)	7 (3.5)	3 (3.0)	4 (4.0)
No	936 (98.7)	744 (99.3)	79 (98.7)	78 (98.7)	195 (99.0)	392 (99.7)	192 (96.5)	96 (97.0)	96 (96.0)
	948 (100)	749 (100)	80 (100)	79 (100)	197 (100)	393 (100)	199 (100)	99 (100)	100 (100)

128. If yes, how many persons ?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. One persons	3 (25.0)	3 (60.0)	1 (100)	1 (100)	1 (50.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
2. Two "	7 (58.3)	2 (40.0)	0 (0.0)	0 (0.0)	1 (50.0)	1 (100)	5 (71.4)	1 (33.3)	4 (100)
3. Three "	1 (8.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)	11(33.3)	0 (0.0)
4. Four "	1 (8.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)	1 (33.3)	0 (0.0)
	12 (100)	5 (100)	1 (100)	1 (100)	2 (100)	1 (100)	7 (100)	3 (100)	4 (100)

129 - 131. If yes, what is the rent per month ? Key money ?

	Total	A I D					National APT		
		Total	'73	'74	'75	'76	Total	'75	'76
Rent for month	23,000	-	20,000	-	-	-	-	9,000	33,333
Key money	566,666	-	50,000	-	-	-	-	125,000	1,033,333

132. Please fill the amount you spent on each item below last month & last year.

	Total	A I D APT					National APT		
		Total	'73	'74	'75	'76	Total	'75	'76
<u>Expenses last month</u>									
1. Entertainment	4,586	4,696	8,509	4,594	4,820	4,010	4,188	4,536	3,843
2. Transportation	7,549	7,535	16,711	7,500	7,084	6,340	7,598	9,151	6,060
3. Food & beverage	27,323	26,765	46,428	27,949	25,303	24,074	29,346	34,070	24,670
4. Rent	11,663	11,755	36,428	10,923	12,227	10,734	11,327	13,439	10,015
5. Fuel, water & electricity	8,544	8,565	26,080	8,782	6,484	6,485	8,471	10,744	6,175
6. Miscellaneous	10,764	11,160	26,543	11,945	8,952	9,560	9,377	9,782	8,967
7. Debt repayment	7,828	7,910	9,000	7,500	8,526	7,672	7,523	9,000	7,277
8. Other (specify)	14,132	14,735	22,744	13,939	15,257	13,493	11,800	12,315	11,303
Total	91,800	100,109	157,000	-	75,208	65,874	61,532	58,909	64,130

Cont'd

	Total	A I D APT					National APT		
		Total	'73	'74	'75	'76	Total	'75	'76
<u>Expenses last year</u>									
1. Entertainment	66,713	51,941	85,409	54,896	51,097	46,705	-	-	43,089
2. Transportation	86,214	85,628	194,203	86,410	86,217	71,799	88,276	105,798	70,930
3. Food & beverages	323,584	316,113	539,964	382,746	292,397	281,872	350,311	409,080	292,130
4. Rent	132,010	132,785	254,200	144,326	152,408	115,887	129,280	149,952	115,923
5. Fuel, water & electricity	97,134	96,401	291,946	101,179	77,027	75,372	99,717	124,306	74,876
6. Miscellaneous	123,333	126,781	298,905	160,810	100,913	106,117	111,266	120,152	102,380
7. Debt repayment	40,053	39,088	16,666	33,000	41,333	40,490	44,000	63,000	42,100
8. Other	170,856	176,908	252,372	227,000	170,160	160,620	148,364	157,525	139,957
Total	878,461	884,258	1,619,250	1,094,746	840,239	757,773	857,693	969,596	746,910

133. How do you feel about the apartment buildings and their surrounding spaces?

	Total	A I D Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
very pleasant	293(30.9)	217(29.0)	26(32.5)	31(39.2)	64(32.5)	96(24.4)	76(38.4)	42(42.4)	34(34.3)
just so-so	568(60.0)	456(60.9)	53(66.2)	45(57.0)	124(62.9)	234(59.5)	112(56.6)	53(53.5)	59(59.6)
unpleasant	86(9.1)	76(10.1)	1(1.2)	3(3.8)	9(4.6)	63(16.1)	10(5.1)	4(4.1)	6(6.1)
	947(100)	749(100)	80(100)	79(100)	197(100)	393(100)	198(100)	99(100)	99(100)

134. Do you feel they are monotonous?

	Total	A I D APT					National APT		
		Sub total	73	74	75	76	Sub total	75	76
yes	615(65.2)	506(67.7)	502(63.3)	47(59.5)	129(65.8)	280(71.2)	109(55.6)	56(56.6)	53(54.6)
no	328(34.8)	241(32.3)	29(36.7)	32(40.5)	67(34.2)	113(28.8)	87(44.4)	43(43.4)	44(45.4)
	943(100)	747(100)	79(100)	79(100)	196(100)	393(100)	196(100)	99(100)	97(100)

135. If yes, does this bother you physicallogically or visually?

	Total	AID Apt			National Apt				
		Sub total	73	74	75	76	Sub total	75	76
1.yes	19.5	20.7	13.7	12.7	22.8	22.7	15.1	17.2	13.0
2.No	80.5	79.3	86.2	87.3	77.3	77.3	84.9	82.8	87.0
	100	100	100	100	100	100	100	100	100

136. Is the area where you lived now more or less pleasant than before?

	Total	AID Apt					National Apt		
		Sub total	73	74	75	76	Sub total	75	76
1. More	328(34.6)	233(31.1)	30(37.5)	35(44.3)	69(34.8)	99(25.2)	95(47.7)	48(48.5)	47(47.0)
2. Same	476(50.2)	398(53.1)	45(56.3)	31(39.2)	109(55.1)	213(54.2)	78(39.2)	38(38.4)	40(40.0)
3. Less	145(15.3)	114(15.8)	5(6.3)	13(16.5)	20(10.1)	81(20.6)	26(13.1)	13(13.1)	13(13.0)
	949(100)	750(100)	80(100)	79(100)	198(100)	393(100)	199(100)	99(100)	100(100)

137. Was the area where you lived before more or less monotonous ?

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. More	190 (20.1)	156 (20.8)	12 (15.0)	27 (34.2)	34 (16.7)	84 (21.4)	34 (17.3)	18 (18.2)	16 (16.3)
2. Same	573 (60.6)	469 (62.6)	50 (62.5)	37 (46.8)	137 (69.2)	245 (62.5)	104 (52.8)	54 (54.5)	50 (51.0)
3. Less	183 (19.3)	124 (16.6)	18 (22.5)	15 (19.0)	28 (14.1)	63 (16.1)	59 (29.9)	27 (27.3)	32 (32.7)
	946 (100)	749 (100)	80 (100)	79 (100)	198 (100)	392 (100)	197 (100)	99 (100)	98 (100)

138. In the case of 135-1, what do you want to see being done about it ?

(assign priorities)

	Total	A I D APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1.Mix different unit type within a building	110 (31.6)	93 (31.1)	4 (16.7)	7 (33.3)	26 (34.2)	565(31.5)	17 (34.7)	8 (42.1)	9 (30.0)
2.Mix different type of apt building within the community	109 (31.9)	97 (32.4)	6 (25.0)	7 (33.3)	24 (31.6)	60 (33.7)	12 (24.5)	5 (26.3)	7 (23.3)
3.Mix highrise apt and low rise apt, within the community	75 (21.6)	63 (21.1)	8 (33.3)	6 (28.6)	15 (19.7)	34 (19.1)	12 (24.5)	4 (21.1)	8 (26.7)
4.Mix different income and age group within the community	54 (15.5)	46 (15.4)	6 (25.0)	1 (4.8)	11 (14.5)	18 (15.7)	8 (16.3)	2 (10.5)	6 (0)
	348 (100)	299 (100)	24 (100)	21 (100)	76 (100)	178 (100)	49 (100)	19 (100)	30 (100)

139. Have you ever thought of leaving this apt by any chance ?

	Total	A.I.D. APT					National APT		
		Sub Total	'73	'74	'75	'76	Sub Total	'75	'76
1. Yes	474 (50.1)	387 (51.8)	62 (77.5)	46 (58.2)	76 (39.0)	203 (51.7)	87 (43.7)	40 (40.4)	47 (47.6)
2. No	472 (49.9)	360 (48.2)	18 (22.5)	33 (41.8)	119 (61.0)	190 (48.3)	112 (56.3)	59 (59.6)	53 (53.0)
	946 (100)	747 (100)	80 (100)	79 (100)	195 (100)	393 (100)	199 (100)	99 (100)	100 (100)

141. Do you think living in this community will help your children have a better future?

	Total	AID Apt.					National Apt.		
		Sub total	73	74	75	76	Sub total	75	76
Yes	773(28.7)	645(95.3)	64(80.0)	69(88.5)	155(96.9)	357(99.4)	128(65.6)	95(96.0)	95(96.9)
No	99(11.3)	32(4.7)	16(29.9)	3(11.5)	5(3.1)	3(0.6)	67(34.4)	4(4.0)	3(3.1)
	872(100)	677(100)	80(100)	73(100)	160(100)	359(100)	195(100)	99(100)	98(100)

Appendix - 5

Cross Tabulations

Appendix - 5. Cross Tabulations

1. Total average household monthly income by apartment type

Apt. type	Average household monthly income
7.5 pyong — 5	49,576
10 pyong <	61,149
13 pyong	77,712
15 pyong	84,306
17 pyong	
22 pyong	210,000
Average	85,624

8/2/00

7/12/00

2. Family size by apartment type 1*

Description	Average	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons	More than persons
7.5 py	2.8	32 (54.3)	14 (23.7)	9 (15.3)	3 (5.1)	1 (1.7)	0 (0.0)	0 (0.0)	0 (0.0)
10 py	3.5	17 (22.7)	26 (34.6)	14 (18.7)	12 (16.0)	5 (6.7)	1 (1.3)	0 (0.0)	0 (0.0)
13 py	4.0	79 (13.4)	140(23.8)	133 (31.4)	120(20.4)	47 (8.0)	16 (2.7)	2 (0.3)	0 (0.0)
15 py	3.8	8 (17.0)	13 (27.9)	13 (27.9)	9 (18.7)	3 (6.4)	1 (2.1)	0 (0.0)	0 (0.0)
17 py	4.4	5(5.1)	24 (24.2)	27 (27.3)	22 (22.2)	11 (11.1)	9 (9.1)	0 (0.0)	1 (1.0)
22 py	4.1	10(12.5)	13 (16.2)	24 (30.0)	24 (30.0)	8 (10.0)	1 (1.2)	0 (0.0)	0 (0.0)
Average	3.9	151(15.9)	230(24.3)	270(28.5)	190(20.1)	75 (7.9)	23 (3.0)	2 (0.2)	1 (0.1)

* Included Apartment units built with National Housing Funds

3. Satisfaction with present heating system by type of heating system

	Satisfied	Not satisfied
coal briquette	467 (65.1)	250 (34.9)
central heating	181 (81.9)	40 (18.1)
average	648 (69.1)	290 (30.9)

4. Are there recreational facilities around apartment community?

Description	Yes	No
Seoul 348	335 (96.3)	13 (3.7)
Secondary cities 383	340 (88.8)	43 (11.2)

5. Distance to work by district

Description	Less than 1 Km	1-5 Km	5-10 Km	More than 10 Km
Seoul	7 (2.1)	21 (6.2)	111 (32.9)	199 (58.8)
Secondary cities	15 (3.8)	159 (40.4)	115 (29.2)	105 (26.6)

6. Satisfaction with floor space by apartment type

Description	Satisfied	Not satisfied
7.5 py	23 (47.5)	31 (52.5)
10 py	26 (35.1)	48 (64.9)
13 py	204 (34.9)	379 (65.1)
15 py	28 (55.6)	21 (44.4)
22 py	47 (58.7)	33 (41.3)

7. Attitude toward future of apartment environment by apartment type.

Description	Better in future	Worse in future
7.5 py	56 (98.2)	1 (1.8)
10 py	64 (85.3)	11 (14.7)
13 py	527 (91.2)	51 (8.8)
15 py	44 (91.7)	4 (8.3)
22 py	57 (73.1)	21 (26.9)

8. Motivation of moving to apartment by apartment type

Apt. type	Unable to buy single dwelling units because of lack of funds	Near to school	Near to work	Near to house of relative and friends	Change life style	price is reasonable	Others
7.5 py	22 (37.3)	1 (1.7)	3 (5.1)	1 (1.7)	14 (23.7)	16 (27.1)	2 (3.4)
10 py	34 (46.6)	1 (1.3)	2 (2.7)	0 (0.0)	20 (26.7)	15 (20.0)	2 (2.7)
13 py	280 (48.2)	17 (2.9)	64 (10.9)	4 (0.7)	102 (17.5)	68 (11.6)	48 (8.2)
15 py	17 (34.7)	2 (4.1)	7 (14.3)	1 (2.0)	14 (28.5)	4 (8.2)	4 (8.2)
17 py	27 (27.6)	4 (4.1)	7 (7.1)	3 (3.1)	27 (27.6)	21 (21.4)	9 (9.2)
22 py	7 (8.8)	6 (7.5)	4 (5.0)	1 (1.2)	52 (65.0)	9 (11.2)	1 (1.2)
Total	388	31	87	10	229	133	66

9. Things residents have by apartment type

	T.V	Radio	telephone	newspaper	phonograph	bicycle	automobile	clock	refrigerator	magazine	iron	sewing machine	washing machine
7.5 py	50 (84.7)	57 (96.0)	2 (3.4)	53 (89.8)	16 (27.1)	3 (5.1)	0 (0.0)	57 (96.6)	0 (0.0)	42 (71.2)	53 (89.8)	17 (28.8)	0
10 py	69 (92.0)	72 (96.0)	2 (2.7)	71 (94.7)	25 (33.3)	7 (9.3)	0 (0.0)	72 (96.0)	0 (0.0)	35 (46.7)	68 (90.7)	31 (41.3)	0 (0.0)
13py	526 (89.8)	547 (93.5)	58 (9.7)	486 (82.9)	213 (36.4)	109 (18.6)	0 (0.0)	557 (94.9)	1 (1.5)	359 (61.5)	519 (88.6)	265 (45.2)	0 (0.0)
15py	47 (95.9)	45 (91.8)	16 (32.6)	47 (95.9)	31 (63.3)	7 (14.3)	1 (12.5)	47 (96.0)	7 (10.6)	41 (80.5)	49 (100)	32 (65.3)	3 (7.1)
17py	96 (98.0)	97 (98.0)	34 (34.3)	96 (97.0)	53 (53.5)	14 (14.1)	0 (0.0)	98 (99.0)	2 (3.0)	68 (68.7)	98 (99.0)	74 (74.7)	1 (3.0)
22py	76 (95.0)	88 (98.7)	71 (88.8)	79 (93.7)	60 (75.0)	31 (38.7)	7 (87.5)	79 (98.7)	56 (84.8)	69 (73.7)	75 (93.8)	51 (63.8)	28 (87.9)
Average	864 (91.2)	897 (94.7)	183 (19.3)	832 (87.8)	398 (42.1)	171 (18.1)	8 (0.8)	910 (95.9)	66 (7.0)	604 (63.8)	862 (90.9)	470 (49.7)	3 (3.5)