

# 1 Housing Security and Implications for Socio-Economic Status of 2 Residents in Ogbomoso

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## 7 **Abstract**

8 This study examines the relationship between the residents' socio-economic status and their  
9 attitudes to the issue of security in their houses. It surveys the housing environments in the  
10 different residential zones of Ogbomoso, taking cognizance of physical devices adopted by  
11 residents for ensuring adequate protection of their lives and properties. The physical security  
12 devices examined include the presence of a perimeter fence, security gate, security gatehouse  
13 and employment of security guard/gateman. The incidence/employment and distribution of  
14 scores for these physical and human devices across the city are examined in relation to the  
15 socio-economic status of residents. The result shows a high incidence of security  
16 personnel/devices among the residents with high socio-economic status; found mostly in the  
17 lower density residential zones of the city; and vice versa.

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19 **Index terms**— Residents in Ogbomoso, Implications.

20 Beyond the protection of residents from the scorch of the sun, on-slaught of hales, strong winds and other harsh  
21 effects of inclement weather, protection of houses in primitive settlements of Africa and the Third World nations  
22 consisted of devices to ward off aggression from unfriendly animals and fellowmen from neighbouring ecological  
23 environments. Residents on tree-branches, hunting decks and hill-tops (Buah, 1969) relied on height advantages  
24 over aggressors who had to climb to their height level before affecting an attack. The time lag, for the intruder,  
25 to reach such heights, and energy spent in such effort provided some advantage to the home front, for a counter  
26 attack on the intruder. Spears, missiles (of stones), cutlasses and cudgels came handy as weapons to repudiate  
27 intruders' aggression. Others included ethno-medical devices, relying on fetishes, potent charms and incantations  
28 in the Yoruba (African and Asian) traditional medicine .

29 This was a period when riparian house-steeds were sparse and consisted of a relatively few, homogenous  
30 households that knew themselves and shared the same traditional and cultural beliefs. The first suspicion of  
31 an impending intrusion in such close knitted house-steeds was the mere sighting of a strange man, animal,  
32 phenomenon, etc, in the housing environment that had only few accesses; and thus, enabling intruders to be seen  
33 from a warning distance.

34 With urbanization, agglomeration of larger numbers of households and human populations Author :  
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36 with diverse tribal and socio-cultural backgrounds resulting in one single, dense and extensive urban settlement,  
37 ensuring security of a household has become intricate and complicated. First, strangers could no longer be easily  
38 identified as in previous, relatively smaller homogenous settlements. Nextneighbour households in cities are now  
39 strangers, as households now change often, in an urban setting characterized by changing tenants and immigrants.  
40 Second, property and thus, household boundaries and areas of influence and authority have become smaller and  
41 much more curtailed. This may, at first, appear to be an advantage; by limiting areas for security concern of  
42 each household. This is however not so, for another third reason! The urban setting is characterized by provision  
43 of urban facilities and services, whose agencies like the police, water and electricity boards, gas, milk, paper,  
44 etc, agencies, may, by virtue of their duties, have statutory rights of entrance into household premises. Thus

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45 the additional communal security provided by the vigilance of every member of the neighbourhood is lost in the  
46 urban setting where the challenge of adequate security in the house is largely the responsibility of individual  
47 households.

48 Today, among the major factors of discomfort in urban residential houses in Nigeria is the fear of burglary  
49 attack, rape, murder, kidnapping and other similar criminal assaults (Microsoft library, 2007). How do individual  
50 households respond to this challenge? Is this response the same for all residents across the different residential  
51 zones of the city? If not, what factors account for the differences? First, a reconnaissance survey was made  
52 to draw up a checklist of physical security devices used in the city. These include erection of boundary fence,  
53 building of security gate, provision of security gatehouse and employment of security guard/gateman.

54 A total of 1,250 houses, constituting about ten percent (10%) of the projected number of houses (1, ??504) in  
55 Ogbomoso, by 2008, was sampled in a randomly systematic method. This was done in fifty percent (50%) of the  
56 total number of streets in the city; consisting of 18, from the high, 15, from the medium and 14, from the low  
57 density residential zones, respectively. In each sampled house, the incidence of any of each of the physical security  
58 devices and the socio-economic status of the household were noted B Global Journal of Human Social Science  
59 Volume XII Issue IV Version I February F and recorded. The data obtained was transformed using contingency  
60 tables for houses with security fence, security gate, security gate house, and security gateman as in tables 1.0,  
61 2.0, 3.0 and 4.0 respectively.

62 Similarly, the income, education and employment status of each household sampled was examined; and the  
63 comparison shown on contingency Tables 5.0, 6.0 and 7.0 respectively.

64 Chi-square tests were run to show the significance of the scores on all indicators of physical security devices  
65 (Tables 1.0 to 4.0), and indicators of socio-economic status (Tables 5.0, 6.0 and to 7.0) respectively; in the  
66 different zones of the city.

67 Finally, adopting the Pearson product moment coefficient, a correlation test was run between indicators of  
68 socio-economic status of residents and incidence of physical security devices in the city (Table 8.0).

69 The frequency of each indicator of housing security and for indicators of socio-economic status are as shown  
70 in the score distributions in Tables 1.0, 2.0, 3.0, 4.0; and 5.0, 6.0 and 7.0 for the high, medium and low density  
71 residential zones of Ogbomoso, respectively. About 68, 64, 45 and 53 percents of the households in the city have  
72 security fence, security gate, security gate-house and employ security gateman in the low residential density zone  
73 of the city. This is the zone with the highest proportion of households with physical security devices in the city.  
74 This is followed by the medium residential density zone with 31.6, 18.6, 12.7 and 10.1 percents, with similar  
75 devices; while the high residential density zone generally have the least; with about 8, 1.2, 1.9 and 2.8 percents  
76 of the devices, respectively (Tables 1.0, 2.0, 3.0 and 4.0). The Chi-square test result is also shown in the Tables  
77 (1.0 to 4.0) as 358.217, as 468.433, 301.918 and 394.301; at 99 percent level of confidence, respectively.

78 Thus physical security devices are significantly higher or more frequently installed by residents in the low  
79 density residential zone of the city. This is followed by residents in the medium density and least in the high  
80 density residential zones. Over four (4), and two (2), percents of residents in the low residential density zone  
81 of the city earn between N60,001 and N80,000; and N80,001 and N150,000 per month respectively. No single  
82 household in the medium and high density residential zones, earns this much range of monthly income. Moreover,  
83 about 5.3 and 10.7 percents of residents in the medium and low density residential zones earn between N40,001  
84 and N60,000 per month.

85 The highest set of income earners (on N20,001 -N40,000), in the high density residential zone constitutes  
86 only 1.2 percent, while those earning such and above in the medium and low density residential zones of the city  
87 constitute 19.4 and 42.3 percents respectively. The greatest percentage of those earning below N20,000 per month  
88 are in the high (69.0%) and medium (57.3%) residential zones. Thus residents with the highest monthly income  
89 are in the low followed by the medium density residential zones. Chi-square test for the distribution of these  
90 scores across the zones gives 260.512 and is significant at 99 percent confidence level (Table 5.0) About 58 percent  
91 of the residents in the low, 30 percent in the medium and 13 percent in the high density residential zones have  
92 tertiary education respectively, in the city. Conversely, a higher percentage of residents in the high (38.9%), 27.3  
93 percent in the medium and only 15.4 percent in the low density residential areas have below secondary education  
94 (Table ???.0). This result, with a Chi-square value of 251.096 is significant at 99 percent level of confidence. Thus,  
95 education status in the city is significantly higher and better among residents in the lower density residential  
96 zones of the city.

97 The result of the analysis on the employment status in the city also shows that the cumulative percentage  
98 of those employed in the public service (government) and private company is higher for residents in the low  
99 residential density zone (37.5%). This is closely followed by the medium (35.0%) and least in the high (13.8%),  
100 density residential zones. It will be recalled that the result on level of income (Table 5.0) shows a much higher  
101 trend in the low; and the least in the high residential zones. It is thus clear, that the self-employed, public service  
102 employed and private company-employed, in the higher residential density zones earn lower salaries compared  
103 to employees in the lower density zones. The latter may mostly be senior and management employees while the  
104 former belong to the junior cadre:

105 With the Chi-square value of 37.271 and at 99 percent level of confidence, the employment status is significantly  
106 higher and better in the low followed by the medium, and least in the high density residential zones of the city  
107 (Table ???.0). Pearson product moment correlation test was run to examine the relationship between incidence

108 of security devices and residents' socio-economic status. The result, shown in Table 8.0, confirms the direct  
109 correlation between these two sets of variables. The trio of monthly income, educational status and employment  
110 status -all indicators of residents socioeconomic status, each correlates, directly and significantly, with incidence of  
111 boundary fence (0.16, 0.318 and 0.162); houses with security gate (0.49, 0.297 and 0.120); houses with security gate  
112 house (0.107, 0.22 and 0.153); and with security gateman (0.118, 0.219 and 0.104), Table 8.0. Thus all indicators  
113 of housing security vary directly; and at 99 percent level of significance with the indicators of socioeconomic  
114 status of residents. Both incidence of security device and residents' socio-economic status increase directly with  
115 decreasing residential population density. All physical security devices have significantly, greater incidence of  
116 occurrence among residents in the low residential areas of the city. This is followed by the medium, and least in  
117 the high residential zones. These indicators and their Chi-square values include security fence (358.217), security  
118 gate (468.433), security gatehouse (301.918), and security gateman (394.301), are all significantly higher in the  
119 low, followed by the medium and least in the high density residential zones, at 99 percent confidence level.

120 Similarly, all indicators of socio-economic status (Table ???.0), and Employment status (Table ???.0) are  
121 significantly higher in houses within the low, followed by the medium and least in the high density residential  
122 zones of the city. The result, each of which is significant at 99 percent confidence level, also has Chi-square values  
123 of 260.512, 251.096 and 87.271, respectively.

124 Thus, households in the lower density residential zone and with higher incidence of physical security devices  
125 are also, of the highest socioeconomic status. This implies that residents with higher income, education and  
126 employment status are enlightened enough to realize they are at higher risk of burglary attacks. They are also  
127 more economically buoyant; on account of their higher pay. The burglary devices are also more easily affordable  
128 to them. It is no surprise therefore, that majority of them have these devices in their houses.

129 Incidence of security devices against intruders with criminal motives is significantly higher in the lower  
130 density residential zones. The variables of such indicators also increase significantly with decreasing residential  
131 population. Similarly, residents' socioeconomic status is significantly higher in the lower residential zones. Its  
132 variables also increase significantly, with decreasing population and residential density zones.

133 Thus households in the higher residential density zones are of significantly lower incidence of security devices;  
134 as they have lower income regime. They can therefore, ill-afford these physical security devices. They are,  
135 also, however at lower risk of criminal assault by reason of their lower socioeconomic status; and thus, materials  
136 possession.

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139 Inspite of the lower likelihood of criminal attacks at a scale possible in the lower density residential zones, residents  
140 in the high, and to a greater level in the medium residential zone, may be accosted with petty criminals within  
141 their immediate zones. This explains why within the high density zone, security devices consisted more of ethno-  
142 medical indigenous forms as noted by . These potent, native charms, that have satisfied this indigenous settlement  
143 zone in the past, should be further encouraged within the richer, residents of the lower density residential zones.  
144 The latter can choose between the ethno-medical, and conventional, physical forms of anti-criminal security  
145 devices. In the face of increasing rate of crime at home, work and highways in Nigeria, and the dwindling efficacy  
146 of conventional security devices against the use of grenades, armoured tanks; with which sophisticated burglars  
147 break, formidable barriers, alternative devices are due for a welcome. Besides, the ugly trend in current burglary  
148 attacks is the invasion of the victim by criminals in large, intimidating numbers. Such burglars have, in the  
149 past, knocked and forced victims to open their doors voluntarily; or risk a complete wreck of whole apartments.  
150 Ethno-medical devices, with their latent potency, can safe, nay, forestall such harrowing situations. <sup>1 2 3 4 5 6</sup>

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Global Variables No Response Yes No Total X 2 value: 358.217 Variables No Response Yes No Total X 2 v

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Figure 1: Table 1 .

| Variables                      |             | No   |
|--------------------------------|-------------|--|
| No Response                    |             | 151  |
| 1 -20,000                      |             | 350  |
| 20,001 -40,000                 |             | 6  |
| 2012 40,001 -60,000            |             | 0  |
| February 60,001 -80,000        |             | 80.001   |
|                                |             | 0 0  |
|                                |             | -150,000   |
| F                              |             |  |
| Total                          |             | 151  |
| X <sup>2</sup> Value = 260.512 |             |  |
| Global Variables               | No Response | Non formal Primary School Secondary School Vocational NCE/Nursing Tertia |
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| Pension                        |             |  |
| Total                          |             |  |
| X <sup>2</sup> Value = 87.271  |             |  |

Figure 2: Table 5

| Variables                      | Monthly income | Education status | Employment status | Apartment with Fence | House with Security | Gated House with Security | Cat House with Security | House Cat at Security |
|--------------------------------|----------------|------------------|-------------------|----------------------|---------------------|---------------------------|-------------------------|-----------------------|
| Monthly Income                 | 1              |                  |                   |                      |                     |                           |                         |                       |
| Educational Status             | 0.252**        | 1                |                   |                      |                     |                           |                         |                       |
| Employment Status              | 0.196**        | 0.370**          | 1                 |                      |                     |                           |                         |                       |
| Apartment with Fence           | 0.169*         | 0.318**          | 0.162**           | 1                    |                     |                           |                         |                       |
| Houses with security gate      | 0.149**        | 0.297**          | 0.120**           | 0.495**              | 1                   |                           |                         |                       |
| Houses with security gatehouse | 0.107**        | 0.220**          | 0.153**           | 0.3700.              | 0.490**             | 1                         |                         |                       |
| Houses with security gate man  | 0.118**        | 0.219**          | 0.104**           | 0.326**              | 0.378**             | 0.423**                   | 1                       |                       |

\*\* Correlation is significant at the 0.01 level

\* Correlation is significant at the 0.05 level

Figure 3: Table 8 .

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151 [ MSN Microsoft Library ()] , *MSN Microsoft Library* 2007.

152 [Atolagbe ()] *An Evaluation of the spatial Dimensions of Housing Stress in*, A M O Atolagbe . 2011.

153 [Atolagbe ()] A M O Atolagbe . *Security Consciousness in Indigenous Nigeria Houses: A preliminary survey of*  
154 *Yoruba Ethno-Medical Devices? Studies on Ethno medicine*, 2011. 5 p. .

155 [Ogbomoso] *Nigeria? An unpublished Ph*, Ogbomoso . Ilorin Nigeria. Submitted to the Department of Geography  
156 and Environmental Management, University of Ilorin (D Thesis)

157 [Buah ()] *The Ancient World, A New History for Schools and Colleges Book 1, 2 nd Edition*, . F K Buah .  
158 <http://globa/security.org/> 1969. 2007. London and Basingstoke: Macmillan Education Limited.