

## Methodology for Treating the Current Dwelling to Face the Negative Effects of Corona Pandemic (COVID19)

(Study the state of social housing in the Arab Republic of Egypt)

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### Abstract:

**Purpose** – The paper aims to clarify that Corona pandemic has shown us the negative effects of housing isolation on the current dwelling that was inhabited by many people, as the current dwelling failed to manage the crisis, achieve needs and accommodate the user for long periods, as well as it is necessary to reject these types of inhuman stores that are lacking the basic concepts of housing and the principles of Arab housing, which represents the Arab identity. Thus, it is also required to study modern technologies and methods to develop the current dwelling to be able to resist periods of isolation.

**Design/methodology/approach** – The methodology study includes three main objectives:

- \* The first focus is to monitor and diagnose the negative effects (environmental, health, social and economic) on the current dwelling during housing isolation under the Corona pandemic.
- \* The second focus is on the deductive approach from both the old Arab housing principles and modern technologies to find new methods so that the current dwelling could face emergency changes.
- \* The third focus is the practical methodology for treating the current dwelling to face the negative effects of the Corona pandemic, reaching to the research findings and recommendations.

**Findings** – The paper provides practical and analytical insights:

- \* The old Arab dwelling is one of the most important alternatives for treating current dwelling because of its successful architectural vocabulary, climatic treatments, and spiritual values that make it highly able to adapt to changes.
- \* It is necessary to reject those types of current dwellings, which have been turned into human stores that lack many basics of housing, cannot achieve human needs and cannot accommodate users for as long as possible during periods of home isolation.

**Research limitations/implications** – Investors' view of housing units is financial based only without looking to the negative effects of those dwellings on human and the environment, also Many policies of Arab and foreign governments in designing social housing lack the existence of practical solutions and advanced methods that resist the changes, such as Corona pandemic, despite the possibility of solutions that can be economic and suitable.

**Practical implications** – The practical implications include the transformation of these human stores into housing units that achieve the basics of housing and resisting domestic isolation in this pandemic.

**Social implications** – Re-strengthening social ties between neighbors by adding some elements such as the horizontal and vertical courtyards, exploiting roofs of residential buildings and pouring some untapped common skylights floors to be used in many social and recreational activities

**Originality/value** – This paper is addressing a large population segment at the Arabic and foreign level, which is the medium social housing, who inhabits these units, which are less than 90 meters to find practical economic solutions that commensurate with the possibilities of governments and the level of income of individuals to transfer their homes from human stores to human housing that can resist the negative effects of the Corona pandemic.

**Keywords:**

Housing, Corona pandemic, Basics of housing , Human stores , Arab housing , Spiritual values , Environmental treatments , Social housing , Domestic isolation , Internal environment quality , Eco-friendly materials, Home farming systems , Leisure spaces , Privacy, Technologies , Modern styles.