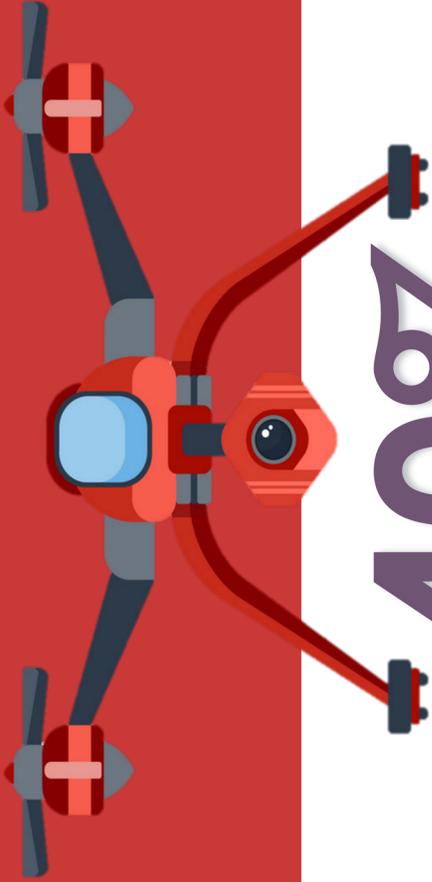


Dependence on others can be a silent killer ...

Facilitating medical refills at the age of drones



40%

Increase in the elderly population in Qatar since 2019
The increase in number means an increase in challenges that could affect the lives of the elderly population

Using drones to facilitate the medical refills and give the elderly a feel of self-dependance



Elderly Pharmacy staff

Percieved financial cost
Percieved ease of use
Percieved usefulness
Percieved risk
Percieved trust
Legal perception



Rise of challenges



Social isolation Care coordination Feeling dependent **Medical refills**

According to the Ministry of Public Health, "the number of patients with more than one chronic condition is expected to rise in the coming years due to the increase in the number of people developing chronic conditions at a young age, in addition to the increasing size of the elderly population". Medical refills becomes a challenge due to the reliance on others or having to go physically and get the refills, consuming physical/mental effort. Medical refills is also a challenge for the pharmacists that have to deal with huge number of requests preventing them from doing other tasks such as patient consultation, etc.

Results

- Through the descriptive analysis of the data we found that both the pharmacists and the elderly population range from neutral to positive for each of the factors. Indicating that they see some risks associated with the cost, safety, etc. but they still think that drones would bring them benefits.
- Multiple regression analysis of the elderly data indicated 3 significant factors out of the 6. Perceived usefulness and the legal perception both had a positive impact on the behavioral intention of use. However, Perceived ease of use had a negative impact, indicating that people thought it would be hard to learn
- Both the elderly population and the pharmacists found the prototype of the application easy to use and useful, indicating positive attitude.

Recommendation

- We recommend adopting the drones in Qatar while focusing on educational advertisements
- We have data that proves the acceptance of elderly for the drones relative to its usefulness
- We have data that proves the both pharmacists and elderly find the prototype easy to use



MEETING OF THE
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Prepared by: Aya El-Sakka Advisor: Selma Limam Mansar