

CONTAINMENT ZONE ALERTING APPLICATION

PROBLEM STATEMENT

Format: The user needs a way to do something that addresses their need so that the user benefits directly.

Defining the Problem: 5 w's -> Format: Who / What / Where / When / Why?

1. Who does the problem affect?
2. What are the boundaries of the problem?
3. What is the issue?
4. When does the issue occur?
5. Where is the issue occurring?
6. Why is it important that we fix the problem?

Problem Statement:

Format:

The user needs a way to do something that addresses their need so that the user benefits directly.

1. Who does the problem affect?

People of any age can catch COVID-19. But it most commonly affects middle-aged and older adults. The risk of developing dangerous symptoms increases with age, with those who are age 85 and older are at the highest risk of serious symptoms. In the U.S., about 81% of deaths from the disease have been in people age 65 and older. Risks are even higher for older people when they have other health conditions.

2. What is the issue?

The Covid 19 pandemic has brought a renewed focus on public health issues like smoking, vaping and substance abuse. In recent years the ratio of teenagers engaging in vaping and smoking has increased exponentially, an estimated 80 % rise from 2018 to 2019.

There have been several public health campaigns on the dangers of smoking that have to an extent reduced the numbers of teenage smokers. In the last decade, there has been a rise in the number of teenagers indulging in vaping, which is seen as an alternative to smoking, even though it has been effectively banned in several countries.

While experts are trying to figure the reasons for the rise in vaping amongst young adults, it is crucial that it is addressed in this juncture as the Covid 19 pandemic might pose a bigger risk to individuals who smoke or vape. Covid 19 or SARS – COV -2, as the name suggests causes severe acute respiratory syndrome.

The Covid 19 viral strain directly impacts the lungs, reducing its capacity and limiting the intake of oxygen and leading to ARDS and pneumonia. It is especially deadly in individuals who have underlying illnesses, and respiratory complications or both.

Research has proven that smoking and vaping has a detrimental effect on the respiratory function of the body, especially lungs.

3. When does the issue occur?

The issue occurs when virus that causes COVID-19 spreads easily among people. Data has shown that the COVID-19 virus spreads mainly from person to person among those in close contact. The virus spreads by respiratory droplets released when someone with the virus coughs, sneezes, breathes, sings or talks. These droplets can be inhaled or land in the mouth, nose or eyes of a person nearby.

Sometimes the COVID-19 virus can spread when a person is exposed to very small droplets or aerosols that stay in the air for several minutes or hours — called airborne transmission.

The virus can also spread if you touch a surface with the virus on it and then touch your mouth, nose or eyes.

4. Where is the issue occurring?

This Covid issue is occurring all over the world.

5. Why is it important that we fix the problem?

This Covid spread killed many human lives and caused many more damages . This spread made a new normal . To come back to our old life it is important to fix the problem.