

# Why Too Much Trust Is Death to Innovation

## Case Solution

### 5 Top Health-Related Challenges of the 21st Century

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**Top 5 Health Challenges**

- Cancer
- Diabetes
- Alzheimer Disease
- Auto-Cell Anemia
- HIV/AIDS

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**Wouldn't it be great if there was a CURE for Cancer?**

Cancer is a disease where there is an abnormal cell division that is uncontrollable, which can destroy tissue. About 60 million deaths of how it can be caused such as smoking tobacco, exposure of UV rays and radiation, the sun, pesticides, and so on. About 50% of people have the chance of being diagnosed with a 50% chance of risk of getting cancer to survive. Over diagnosis and treatment more great investments in reducing the cancer death rate, but do not really come across since not all cancer cells are the same.

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**Wouldn't it be great if there was a Cure for Alzheimer Disease?**

Alzheimer Disease, named after Alzheimer for German physician and has more than 2 million cases. It is a neurodegenerative disease where brain cells degenerate and die causing memory loss and other mental functions. Some causes of Alzheimer disease were brain trauma being treated because of the deterioration of the presence of plaques found between living cells in the brain because of beta amyloid being so.

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**Works Cited**

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 2. "Alzheimer Disease." *Merck Manual*. 2018. <https://www.merckmanuals.com/home/diseases-and-conditions/brain-and-nervous-system/alzheimers-disease>.  
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**Wouldn't it be great if there was a CURE for Cancer?**

Cancer is a disease where there is an abnormal cell division that is uncontrollable, which can destroy tissue. About 1.5 million deaths of how it can be caused such as smoking tobacco, exposure of UV rays and radiation, the sun, pesticides, and so on. About 500,000 people die every year of cancer, which is a 50% increase in risk of getting cancer to someone. Over diagnosis and treatment have great benefits in reducing the cancer death rate, but do not really cure cancer since not all cancer cells are destroyed.

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**Wouldn't it be great if there was a Cure for Alzheimer Disease?**

Alzheimer Disease, named after Alzheimer for German physician and has more than 2 million cases. It is a neurodegenerative disease where beta amyloid deposits and the resulting neuronal loss and amyloid plaques. Some causes of Alzheimer disease were beta amyloid being formed because of the disturbance of tau or the presence of plaques found between living cells in the brain because of beta amyloid being so.

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- Diabetes
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- Sickle-Cell Anemia
- HIV/AIDS

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## Wouldn't it be great if there was a CURE for Cancer?

Cancer is a disease where there is an abnormal cell division that is uncontrollable, which can damage tissue. Cancer has many theories of how it can be caused such as smoking tobacco, exposure of UV rays and Radiation (the sun), genetics, and diet. Almost everyone holds the BRCA1 or BRCA2 gene which is a 50% chances or risk of getting cancer to anyone. Chemotherapy and radiology were great innovations on reducing the cancer death rate, but do not really cure cancer since not all cancer cells are eliminated.

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### Solution

Since cancer involves with uncontrollable/abnormal cell division, why not use one of the innovations we have now such as chemotherapy and revolutionize it. Since chemotherapy targets cancer cells yet also harms healthy cells, why not build a micro-size robot which can be injected into the blood stream since all arteries and veins found all over the body, this will be able to travel anywhere in the body to locate the cancer cells. This robot will carry the chemo drug inside, based on the features, it will have a surveillance camera to watch from a screen so the chemo drug can be released. This robot is going to be programmed to identify the cancer cells, avoiding healthy cells being harmed. Not only will it be able to identify, but also be able to exit out the body through urinary tract. Since the micro-size robot would be in the bloodstream, once it runs out of the drug (only could hold a certain amount) it will travel to the kidneys where blood is filtered so it will go where the waste goes and exits out of the body after the patient urinates. Multiple of these robots can be injected since chemotherapy requires more than one drug.

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## Solution

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## Wouldn't it be great if there was a Cure for Alzheimer Disease?

Alzheimer Disease, found most common for senior citizens and has more than 3 million cases. It is a neurological disorder where brain cells degenerate and die causing memory loss and any mental functions. Some causes of Alzheimer disease would brain neurons being tangled because of the disintegration of tau or the presence of plaques found between dying cells in the brain because of beta-amyloid piling up.

### Solution

Since Alzheimer consist of getting tangles and plaques, so why not have laser surgery to remove the dead cells that are causing tangles. As for the plaques, have them surgically remove and create an antibiotic to stop this cluster from piling up between the nerve cell.

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# Solution

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