

## **“A Meta- Analysis of various Medical Condition with Usability evaluation of Human Health Research Web Based Portal Study involving 500 Participants Data Analysis of Medical Condition”**

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**Abstract:** Human Health Research: Portal is now offering a free web based and secure medical updates portal to enable hospitals, healthcare providers, researchers, pharmacist, doctors get to know about the recent updates in health care. Human Health Research portal which is web based platform that collects information from different sources into a single user interface and presents users with the most relevant information for their context Social media and healthcare are a powerful combination. Social networks have become an important health resource, and not just for millennial. Nearly 90% of older adults have used social media to seek and share health information. Human Health research is a web based portal systems used to in healthcare, including promoting awareness, encouraging patient engagement, and sharing accurate health messaging. Sometimes raising awareness is as simple as reminding followers about common sense health practices or addressing common healthy living concerns. But when things are changing fast, social media is a key way of ensuring the public is aware of the latest issues, guidelines, and advisories. One way to get the information out there is to share information directly in your social posts.

**Keywords:**

Human Health Research, Various Medical Condition, Web Pased Portal Survey, Hypothyroid, Social Media Platform.

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### **I. Introduction:**

From a male patient with cold allergy to a 38 year old who has 3 kidneys, a number of controversial and strange medical conditions or the medical cases caught the attention of many in 2020. Having your pee turn green can be scary. But as an man in chicago found out, green pee can be rare side effect of some medications.

The 62 year old man was hospitalized after he was found to have high levels of carbon dioxide in the blood, a condition that can be life threatening . The man was placed on a ventilator and given a general anaesthetic called propofol, according to report of the case published in The New England Journal.

People can develop allergies to pretty much anything, including cold air. That was for a man in colorado, who allergic reaction to the cold was so severe, he almost died.

The 34 year old man collapsed after he stepped out of a hot shower in to a cold bathroom, according to report of the case published in The Journal of Emergency Medicine. The man was struggling to breathe, he experienced a life threatening allergic reaction in his entire body. Such an allergy is called “anaphylaxis”.

### **II. Review Literature:**

- WHO reveals leading causes of death and disability worldwide: 2000- 2019
- Non communicable diseases now make up 7 of the world’s top 10 causes of death, according to WHO’s 2019 Global Health Estimates. The estimates reveal trends over the last 2 decades in mortality and morbidity caused by diseases and injuries. They clearly highlight the need for an intensified global focus on preventing and treating cardiovascular diseases, cancer, diabetes and chronic respiratory diseases, as well tackling injuries, in all regions of the world, as set out in the agenda for the UN Sustainable Development Goals.
- Heart disease remains the number 1 killer; diabetes and dementia enter the top 10: Heart disease has remained the leading cause of death at the global level for the last 20 years. However, it is now killing more people than ever before. The number of deaths from heart increased by more people than ever before. The number of deaths from heart disease increased by more than 2 million since 2000, to nearly 9 million in 2019. Heart disease now represents 16% of total deaths from all causes.
- Alzheimer’s disease and other forms of dementia are now among the top 10 causes of death worldwide, ranking 3<sup>rd</sup> in both the Americas and Europe in 2019. Women are disproportionately affected: globally, 65% of deaths from Alzheimer’s and other forms of dementia are women.

- Deaths from diabetes increased by 70% globally between 2000 to 2019, with an 80% rise in deaths among males. In the Eastern mediterranean, deaths from diabetes have more than doubled and represents the greatest percentage increase of all WHO regions. Type 1 diabetes in kids: Common symptoms, detection and steps to manage the condition. With around 70 million people suffering from diabetes in the country, india is called the diabetes capital of the world. Not just these alarming numbers, the fact that the condition is even affecting the younger generation, makes it a matter of concern. You will be surprised to know 3/100,000 children are diagnosed with type 1 diabetes every year.
- In 2019, pneumonia and other respiratory infections were the deadliest group of communicable diseases and together ranked as 4<sup>th</sup> leading cause of death. However, compared to 2000, lower respiratory infections were claiming fewer lives than in past, with the global number of deaths decreasing by nearly half a million.
- HIV/AIDS dropped from the 8<sup>th</sup> leading cause of death in 2000 to the 19<sup>th</sup> in 2019, reflecting the success of efforts to prevent infection, test for the virus and treat the disease over the last two decades. While it remains the fourth leading cause of death in Africa, the number of death has dropped by more than half, falling from over 1 million in 2000 to 435000 in 2019 in Africa.
- Tuberculosis is also no longer in the global top 10, falling from 7<sup>th</sup> place in 2000 to thirteenth in 2019, with a 30 % reduction in global deaths. Yet, it remains among the top 10 causes of deaths in the African and South- East Asian regions, where it is the 8<sup>th</sup> and 5<sup>th</sup> leading cause respectively. Africa saw an increase in tuberculosis mortality after 2000, though this has started to decline in the last few years.
- A 2020 review concluded that hypertension is the leading modifiable risk factor for cardiovascular disease and premature death worldwide and that prevalence is growing. In may, the American Journal of Hypertension published an editorial addressing the relationship between hypertension, hypertension medication, and COVID-19.
- The estimates further confirm the growing trend for longevity: in 2019, people were living more than 6 years longer than in 2000, with a global average of more than 73 years in 2019 compared to nearly 67 in 2000. But an average, only 5 of those additional years were lived in good health.
- Heart disease, diabetes, stroke, lung cancer and chronic obstructive pulmonary disease were collectively responsible for nearly 100 million additional healthy lifestyle lost in 2019 compared to 2000.
- While India has managed to conquer polio and small pox, there are yet so many health ailments that need to be surmounted Anemia and malnutrition one among them. A recent report by the National Family Health Survey (NFHS-S) that conducted a survey on the Improvement in Womens Health and Welfare, states that teenage pregnancy in India has been reduced from 8.3% to 7.6% and there has been a considerable drop in marriages before 18yrs of age. It further revealed that at least two in three women aged between 15-49 in Assam have anaemia. It further pointed out that 9 in 10 women in the age group between 15 and 49 are anaemia in the union Territory of ladlkh. While in west bengal, three out of four women are anaemic, In most of the states, every fourth women suffers from anaemia.
- As of today, COVID-19 has tragically claimed more than 85 million lives. People living with pre-existing health conditions (such as heart disease, diabetes and respiratory conditions) are at higher risk of complications and death due to COVID- 19.
- A top priority of 2021 will be to continue our work across the 4 pillars of the ACT Accelerator, to achieve equitable access to safe and effective vaccines, tests, and treatments and to ensure that health systems are strong enough to deliver them. Targets for the ACT- Accelerator in 2021 include: distributing 2 billion vaccines; 245 million treatments; establishing testing for 500 million people in low and middle income countries; and strengthening the health systems needed to support them.
- WHO will uphold and strengthen the excellence, relevance and efficacy of our own core technical functions, to provide the world with the best evidence-based recommendations for public health on issues ranging from Alzheimers to zika.
- WHO will work with partners to implement the new 10 year Roadmap fo Neglected Tropical Diseases (NTDs), with its global targets and milestones to prevent, control, eliminate and eradicate 20 NTDs. And they will intensify efforts to end AIDS, tuberculosis and malaria and to eliminate viral hepatitis by 2030.

### **III. Objective:**

- 1) Evaluating the predictability of medical conditions from Human Health Research Web portal.
- 2) The purpose of Improving Diagnosis in Health care contribute to the growing lifestyle for change in this crucial area of health care quality and safety.

#### **IV. Methodology:**

Step 1: Literature read from peer reviewed research paper

1) **Coronavirus:**

While the pandemic upends normal life, hospital across the country are taking on this unprecedented challenge, as front line health care workers demonstrate extraordinary bravery. As of today, COVID-19 has tragically claimed more than 85 million lives. People living with pre-existing health conditions (such as heart disease, diabetes and respiratory conditions) are at higher risk of complications and death due to COVID- 19.

2) **Diabetes:**

Diabetes is the 7<sup>th</sup> leading cause of death in the U.S, according to the Centers for Disease Control and Prevention. Overall 34.5 million people in the U.S more tha 10% of the country’s population have diabetes. About 95% of people with the disease have Type 2 diabetes. Annually, between 2 and 10 percent of pregnancies in the U.S are affected by gestational diabetes. About a third of the U.S. adult population more than 84 million people have prediabetes.

3) **Lung Cancer:**

According to the American Cancer Society, 228,150 new cases of lung cancer (116,440 in men and 111,710 in women), are expected to be diagnosed in 2019, making it the second most common cancer in both men and women (not counting skin cancer). About it’s deadly cancer about 142,670 people are expected to die of the disease (76, 650 men and 66,020 women) in 2019.

4) **Depression:**

In a given year, it’s estimated that 1 in 15 adults will experience depression or have at least one major depressive episode.

5) **Multiple sclerosis:**

Multiple Sclerosis Foundation uses to explain what’s happening in the nervous systems of the estimated 400,000 Americans who have multiple sclerosis, un predictable, often disabling disease of the central nervous system. The exact cause of the disease is unknown. The National Sclerosis society reports “ scientist believe the disease is triggered by an as yet inidentified environmental factor in a person who is genetically predisposed to respond”.

6) **Chronic Obstructive Pulmonary Disease (COPD):**

This lung disease is a major cause of disability worldwide. Reduced airflow affects people’s ability to breathe and function as the condition progresses. COPD is the 3<sup>rd</sup> leading cause of death in the U.S., according to the Centres for Disease Control and Prevention (CDC). Women face somewhat higher risk than men.

7) **Breast Cancer:**

Breast cancer is the most common cancer afflicting women in the United States, regardless of race or ethnicity. The Centers for disease Control and Prevention reports that 1 in 8 women will be diagnosed with invasive breast cancer in her life time. In 2013, more than 40,000 women and 464 men died of the disease. In 2017, more than 250,000 women and over 2,000 men are expected to be diagnosed with the disease.

8) **Rheumatoid Arthritis:**

The Centers for Disease Control and Prevention reports that “arthritis means inflammation or swelling of one or more joints. Arthritis is one of the most common ailments in America. According to the CDC, more than 54 million adults in the united states about 25% of all adults have arthritis. In about 300,000 children also have some form of arthritis. About 24 million people are disabled by their arthritis, making it the leading cause of disability in the U.S.

9) **Colon Cancer:**

The American Cancer Society estimates there will be more than 140,000 new cases of colorectal cancer diagnosed in the United States in 2018. That includes an estimates 97,220 new cases of colon cancer deaths the combined number from colon or rectal cancer will claim the lives of more than 50,000 people in 2018.

The report’s evidence based findings will inform U.S Department of Agriculture (USDA) and the U.S. Department of Health and Human Services (HHS) as they co-develop the 2020- 2025 Dietary Guidelines for Americans, which will provide recommendations on what to eat and drink to promote health and prevent chronic disease.USDA and HHS to strongly recommend plant-based diets and warn against meat and dairy products and low carbohydrate diets in the final guidelines.

1) Do not include a low carbohydrate eating pattern or recommend limiting consumption of carbohydrates.

Americans already consume too few carbohydrates in the forms of fruits, vegetables, grains, and legumes. Only 1 in 10 adults eats enough fruits and vegetables, according to the Centers for Disease Control and Prevention. In fact, a study in JAMA attributed 52,547 deaths from heart disease, stroke, or type 2 diabetes in 2012 to consuming too few fruits and 53,410 deaths to consuming too few vegetables. Consuming too few whole grains was associated with 11,639 deaths from type 2 diabetes. Low- carb diets can also lead to early death. One study

found that participants with lowest intake of carbs had a 32% higher risk of all cause death. The risk of coronary heart disease, cerebrovascular disease, and cancer were increased by 51 %, 50% and 35%, respectively. Studies published in the journal of the American Heart Association, The Lancet and the Annals of Internal Medicine have also show low carb diets increase the risk of early death.

2) Recommend water instead of milk.

Dairy products are the no. 1 source of saturated fat in the American diet. In fact, the current guidelines recommend people avoid saturated fat because of its link to heart disease. Scientific evidence also shows that milk and other dairy products increase the risk of asthma, breast, ovarian, and prostate cancers, cognitive decline, and early death, and offer little if any protection of bone health. Dairy products also cause bloating, diarrhea, and gas in the tens of millions of Americans who have lactose intolerance, the natural progression of not breaking down sugar in milk. The National Institute of Health (NIH) estimates that 30 million to 50 million American adults are lactose intolerant, including 95% of Asians American, 60-80 percent of African Americans and Ashkenazi Jews, 80-100% of Native Americans, and 50- 80% of Hispanics. Canada’s latest food guide recommends that Canadians make water their “drink of choice”.

3) Warn against consuming red and processed meat.

In 2015, after 22 expert from 10 countries assessed more than 800 epidemiological studies, the World Health Organization’s International Agency for Research on Cancer classified consumption of processed meat as “carcinogenic of human’s (Group 1) on the basis of sufficient evidence for colorectal cancer.” The experts highlighted a meta analysis that concluded that each 50 gram portion of processed meat (about one hot dog) eaten daily increases the risk of colorectal cancer by 18%. A recent study of nearly 44,000 U.S. adults found that “despite growing public health concerns about processed meat consumption, there have been no changes in the amount of processed meat consumed by US adults over the last 18 years.

4) Continue to promote plant based eating patterns.

A plant-based diet, rich in fruits, vegetables, whole grains and legumes, is a great way to achieve good health. These food are full of fiber, rich in vitamins and minerals, free of cholesterol, and low in calories and saturated fat. Those who eat a plant based diet lower risk for heart disease, type 2 diabetes, obesity, and other health conditions.

Malaria causes 435,000 deaths per year in sub- saharan Africa. Children under the age of five years have been reported to suffer from the highest fatality rates. Scientist have recently found that this malaria parasite’s populations in Africa and southeast Asia have been growing resistant to a currently available antimalarial drug. Sulfadoxine- pyrimethamine (SP) is used as a first-line treatment to prevent malaria among vulnerable groups. In fact, the SP combination is the only antimalarial drug treatment recommended by the World Health Organization for preventative treatment in pregnant women and children. In a study published in PLOS Genetics, a group of researchers observed how resistance to this key preventative drug is not only caused by mutations in the *P.falciparum* parasite genes known as *pfdhfr* and *pfdhps*.

#### Step 2: Web based Survey

Human Health Research: Portal is now offering a free web based and secure medical updates portal to enable hospitals, healthcare providers, researchers, pharmacist, doctors get to know about the recent updates in health care. Human Health Research portal which is web based platform that collects information from different sources into a single user interface and presents users with the most relevant information for their context (Latest Updates).

Health Science: “The road to health is paved with good intestines”

Healing is a biological process, not an art. It is as much a function of the living organism as respiration, digestion, circulation, excretion, cell proliferation, or nerve activity. It is a ceaseless process, as constant as the turning of the earth on its axis. Man can neither duplicate nor imitate nor provide a substitute for the process.

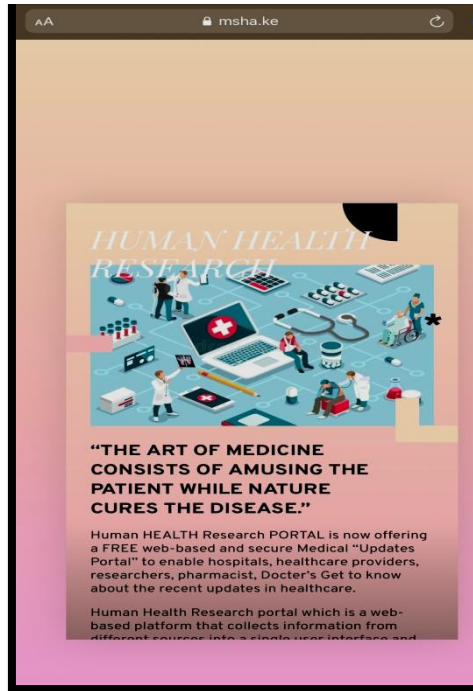
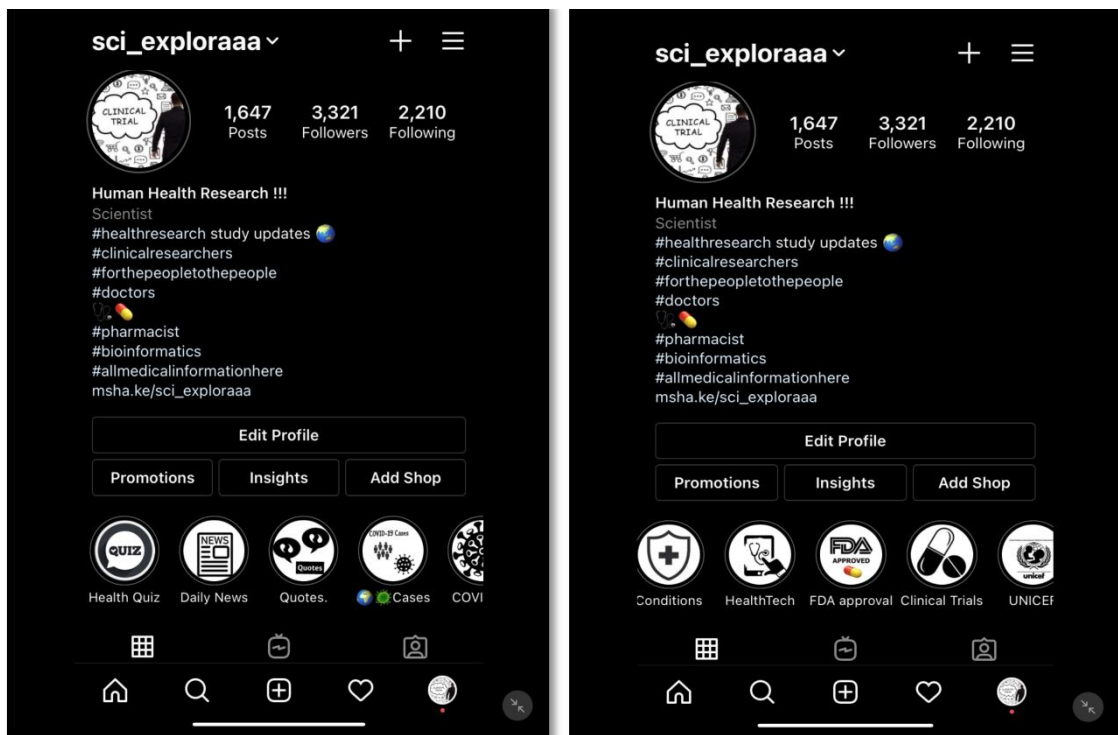


Fig 1: Web based Portal : Human Health Research



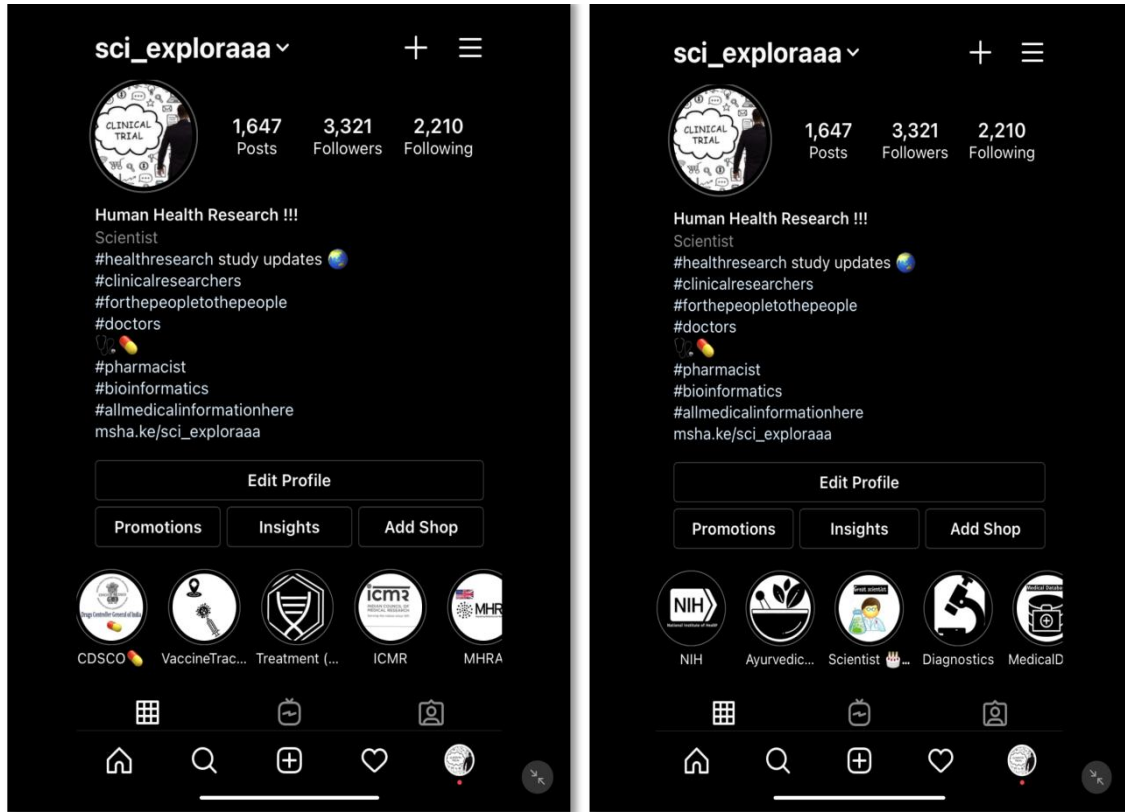


Fig 5 (a): Website Page

Which describes the highlights focused on all the medical information such as: Country Drug Regulatory, COVID-19 latest research, ongoing clinical trials, Covid19 cases, Clinical case Study, Health Organisations : World Health Organization, Centers for Disease Control and Prevention (CDC). It also includes Current treatment, Diagnostics, Ayurvedic medicines, Medical Database, Healthcare Technology, Covid19 Vaccine Tracker, Latest research Quiz which may help healthcare professionals get to know about recent ongoing research and may help communities to get right information in one scrolling.

## V. Observation and Results:

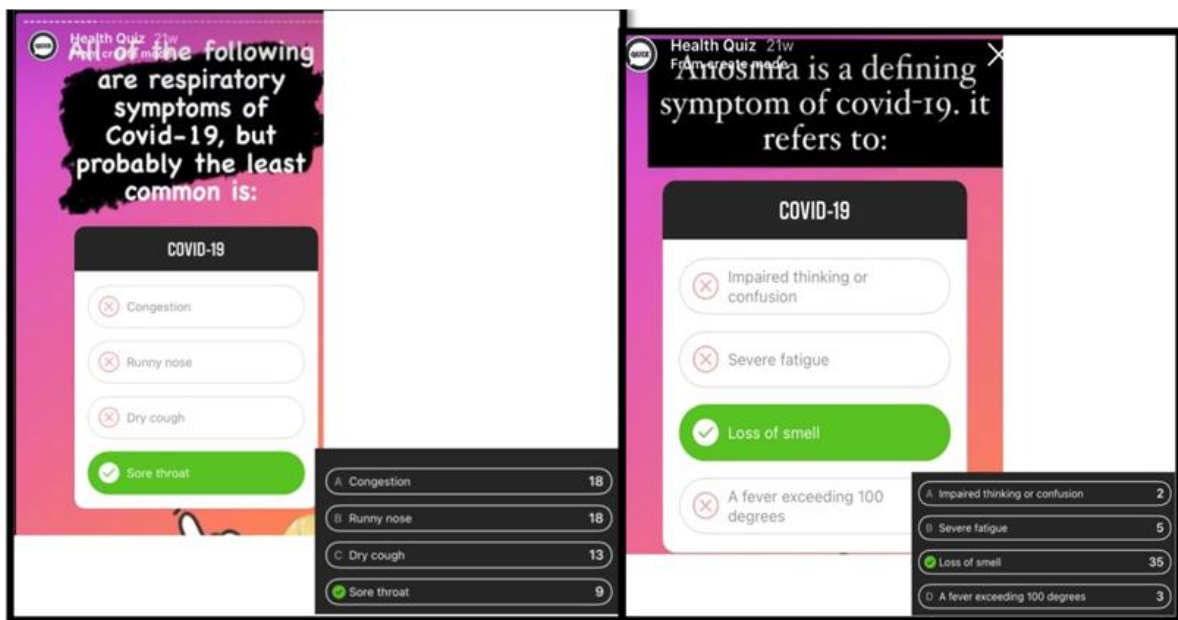


Fig 6 (a): COVID- 19 Symptom Survey

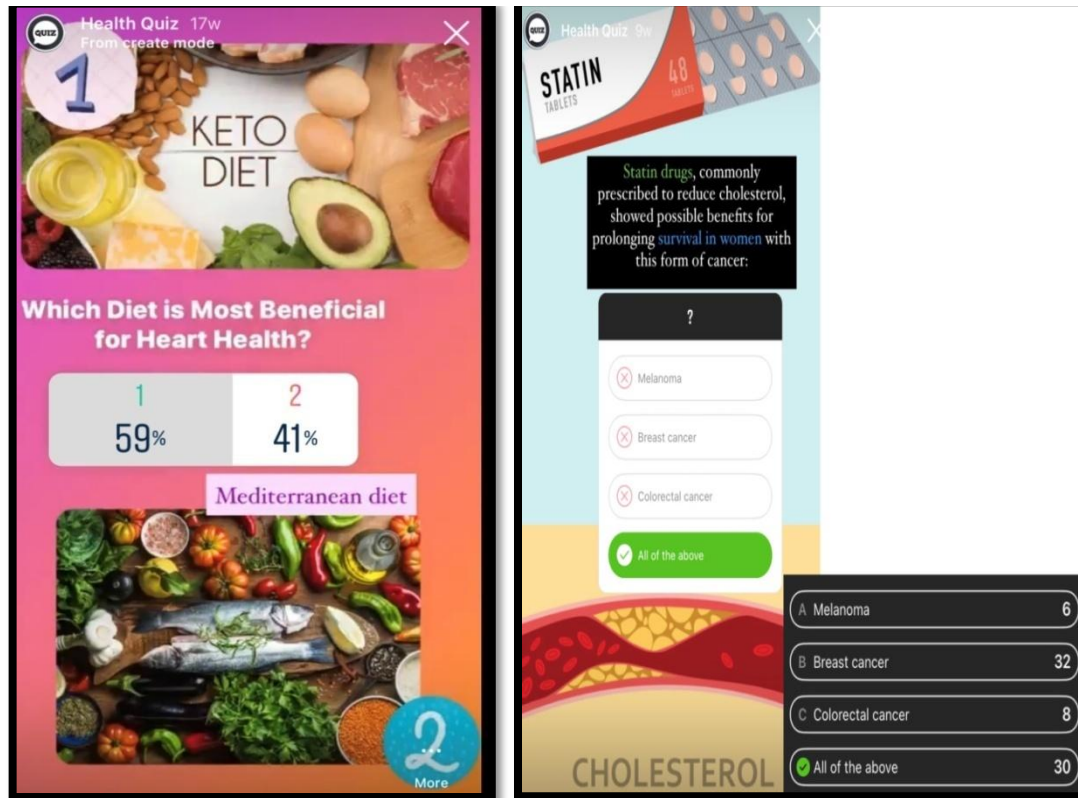


Fig 6 (b): Diet and Drug Survey

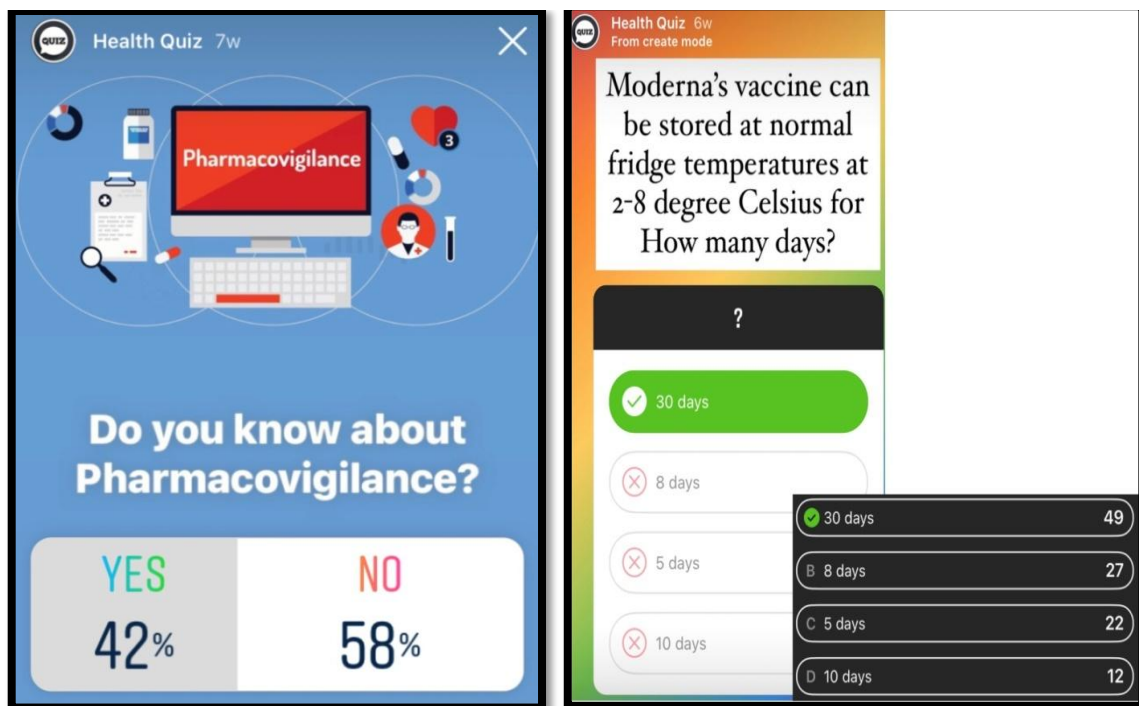


Fig 6 (c): Field and Vaccine Survey

From the above fig: 3, 4 and 5 survey analysis we concluded that:

- 1) 9 people only know about COVID- 19 symptoms among the 58 participants enrolled in the survey.
- 2) 35 people know about COVID-19 symptoms among 46 participants enrolled in the survey. This may conclude that it needs awareness among the people to get right information on right time.

- 3) 58 % people know the most beneficial diet for heart health that was keto diet among 100 participants enrolled in the survey.
- 4) 30 people know the commonly prescribed drug (statin) that can reduce cholesterol among the 76 participants enrolled in the survey. From this we can conclude that doctors and pharmacist were people gave the right answer.
- 5) 42% people know about what is pharmacovigilance (Drug Safety) among the 72 participants enrolled in the study from this we can conclude that only doctors know about this field and we can spread awareness about “Pharmacovigilance” in upcoming future. People might report all the Adverse Drug Reaction happens to them in to a centre this might help to reduce the adverse drug event and we get safe and effective drug.
- 6) 49 people know about the Moderna’s COVID-19 vaccine fridge temperature among the 110 participants enrolled in the survey from this we conclude that people are exploring the recent update on the vaccine and exploring the information indepth.

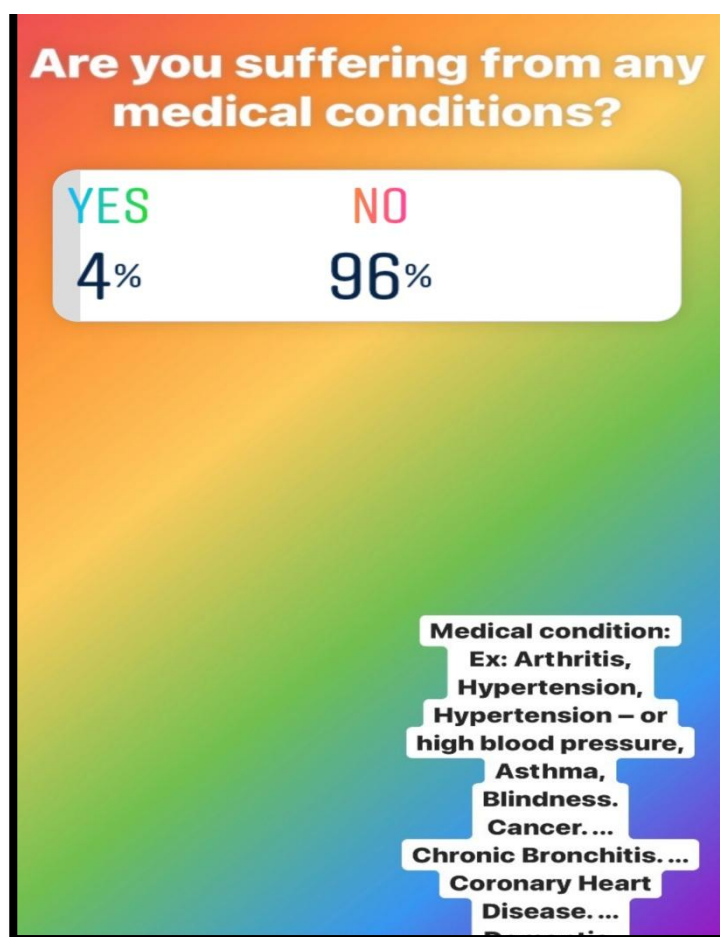


Fig 6 (d): Medical Condition Survey

List of Patients with Medical conditions

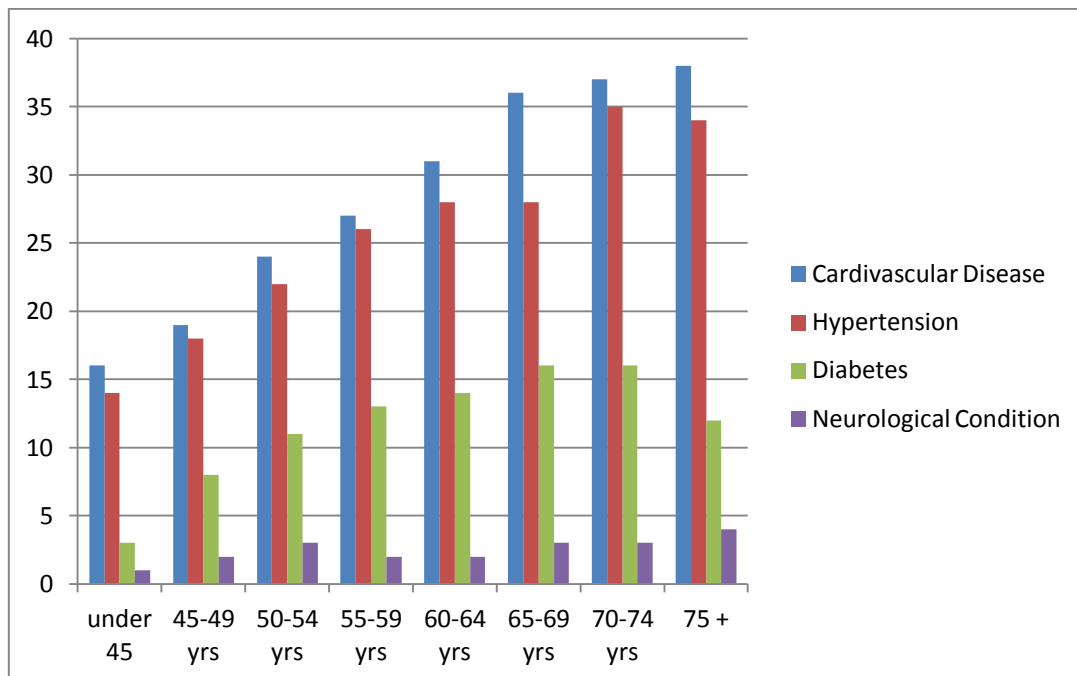
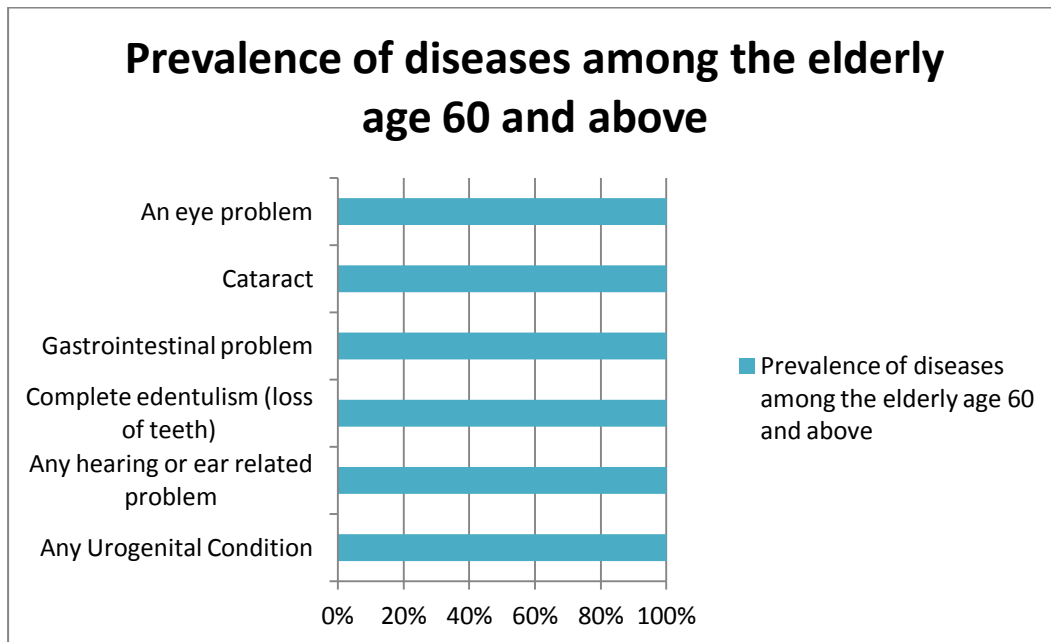
Sr. No	Profession	Age	Gender	Medical Condition	Medication they are taking
1	Housewife	43	F	Hypothyroid	Thyrox 62.5 Mcg
2	Bioinformatics Scientist	25	M	Hypothyroid	Thyronin 100 mg
3	Dentist Doctor	24	M	Hyperthyroid	She is not taling any medication
4	Clinical Research Associate, she is a Pharmacist.	26	F	Hyperthyroid	Previous years she was taking Thiamazole medication (now she left taking this medication).
5	Scientist	27	F	Hyperthyroid	Ayurvedic Medicine: Ayush (Siddha) medicine 1) Karisalai Karpam 2) Siddhatti Oil (Capsule)
6	Dentist	23	F	Hypothyroid	She was taking Thyronorm Capsules for years (now she has left taking).



7	Housewife	57	F	Blood Pressure, Diabetes (Type 2)	Metformin, Sulfonylureas, Meglitinides, Thiazolidinedione, Insulin
8	Housewife	60	F	Backache, Gastritis, Cervical Spondylosis	Non steroidal Anti- inflammatory drugs: Naproxen, ibuprofen Corticosteroids: Oral Prednisone Muscle relaxants: Cyclobenzaprine Anti-seizure medication: Gabapentin Antidepressants: Doxepin
9	Housewife	67	F	Diabetes (Type 2), Alzheimer	Aricept: donepezil Razadyne: galantamine Memantine
10	Housewife	69	M	Blood Pressure, Schizophrenia	Aripazole (Tablet and Injection) Asenapine, Brexpiprazole, Chlorpromazine, Fluphenazine, Fluphenazine decanote (Injection).
11	James John	Staying home	70	M	Blood Pressure, Bipolar Disorder Mood stabilizers: lithium and valproic acid, Antipsychotics: olanzapine and Aripiprazole, Antidepressant: Fluoxetine Combination of Antipsychotics and Antidepressants: symbax- olanzapine and fluoxetine. Anti- anxiety medications: Banzodiazepines
12	Dentist	32	F	Hypothyroid	Eltroxin 100 mcg
13	Bioinformatics Student	22	F	Allergic Rhinitis and Bronchitis	Ayurvedic Medicine: Ath Shwaso Ojas
14	Housewife	50	F	Hypothyroid	Thyroxin 50 mcg
15	IT Profession	28	F	Hypothyroid	Thyroxin 50 mcg
16	Dentist	23	F	Hypothyroid	Thyronorm 50 mcg
17	Artist	60	M	Diabetes (Type 2)	1) Vogo 0.2 mg 2) Jalra 50 mg 3) Azulix 3 mF
18	Housewife	50	F	Hypothyroid	Thyronorm 75 mcg
19	Housewife	45	F	Hypothyroid	Thyrox 62.5 mcg
20	Housewife	70	F	Hypothyroid	Eltroxin 50 mcg
21	Clinical Research Co-ordinator	27	F	Hypothyroid	Thyroxin 112 mcg
22	IT Profession	28	F	Thalassemia	Kelfer 500 mg
23	Dentist	22	F	Bradycardia	Currently she is not taking any medication.
24	Housewife	43	F	Sinus Infection	Fluticasone Nasal Spray

From Fig 6 and the above patient Data we concluded that among 500 enrolled in the survey, Volunteers were boys and girls 70% younger generation group (Age group 21- 35), Others were in (40 – 70) age group, Foreign and Indians. From this patient data we got to know that Thyroid is severe case in every 1 in 40 women

according to above data we got and in the recent study year 2020 12% of the U.S Population will develop thyroid condition during a life time according to American Thyroid Association (ATA). So according to analysis of this medical condition data we concluded that Hypothyroid is the major leading cause in many womens.



Representation: Prevalence of Chronic health conditions

According to recent report survey in India, about 75 million people above 60 in india suffer from some chronic disease, shows the first part (2017- 2018) of the world’s largest study on the aged the Longitudinal Aging Study in India (LASDI). While 27% of elderly have multi- morbidities, around 40% have one or another disability and 20% have issues related to mental health, said the report that aims to provide a base for national and state level programmes and policies for the elderly population. The treatment rate of all chronic health conditions is higher among the elderly in urban areas.

Recently WHO has set a target for global elimination of trans fats by 2023. Because according to World Health Organization (WHO), each year around 5.4 lakh deaths take place due to intake of industrially

produced trans fatty acids. So, this is the first step of Food Safety and Standards Authority of India (FSSAI) towards fulfilment of the commitment made in 2018 to reduce trans-fats in edible oils and foods. So, in this recent update we can overcome Health Problems related to Diabetes, Heart problems we can reduce.

THIS or THAT SURVEY:

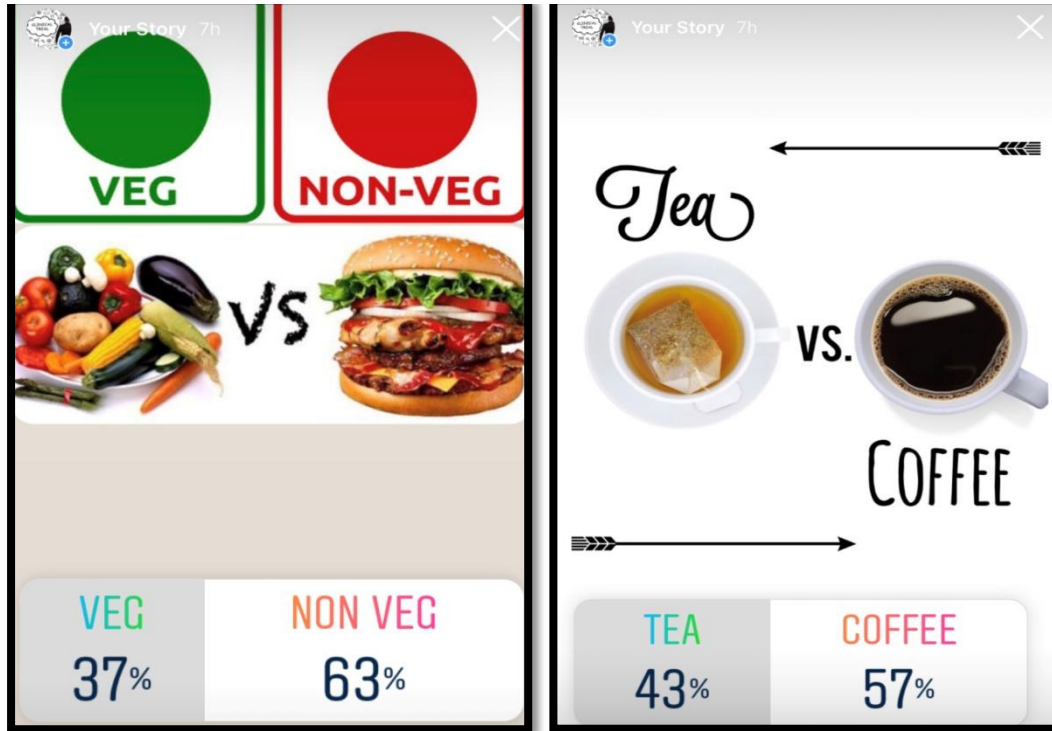


Fig 6 (e): Veg diet Versus Non veg diet survey

Fig 6 (f): Tea versus coffee Survey

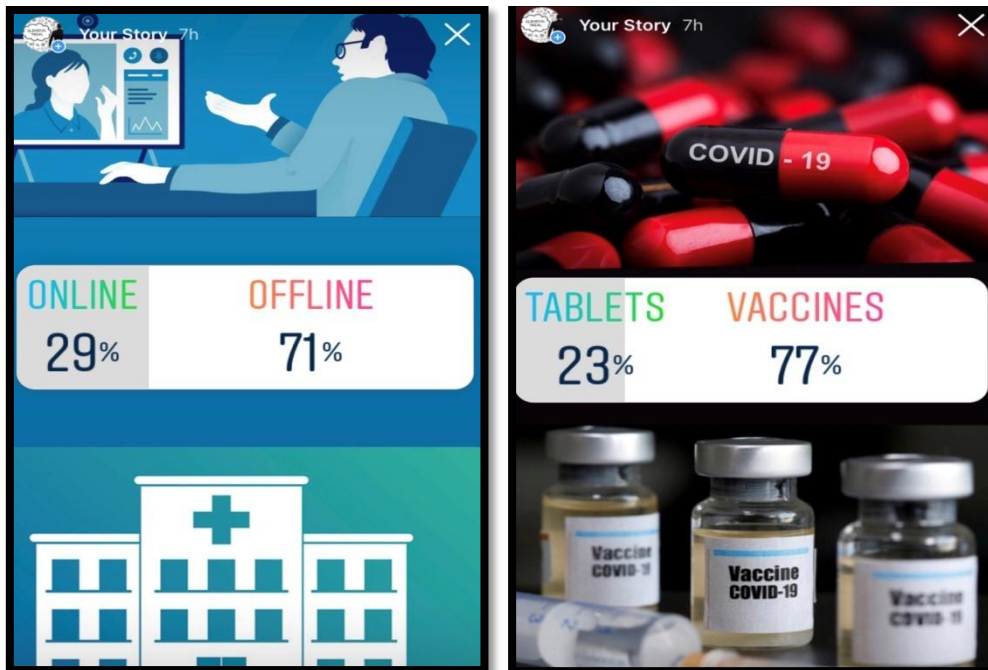


Fig 6 (g): Doctor Patient Consultant online versus Offline Survey

Fig 6 (h): Covid-19 Tablet versus Covid-19 Vaccine survey



Fig (i): Fruits Versus Fruit Juices survey  
Fig (j): Natural Booster Versus Artificial Booster Survey

From the above 6 (b) to (j): we did survey of This or That in this related to Pandemic Situation.

- 1) Survey of participants eating vegetarian or Non vegetarian from this survey we got result of 37% participant were preferred eating vegetarian food and 63% participants were preferred eating Non vegetarian food. So from this we concluded that people are more attracted towards protein food rather than vitamins and minerals.
- 2) Survey of participants drinking Tea or Coffee from this we got results that 43% participants were preferred drinking Tea and 57% participants were preferred coffee. From this we concluded that people are working in a stressful jobs so they preferred caffeine drinks to stay awake.
- 3) Survey of Doctor and Patient consultant (Telemedicine) online or offline from this we got results that 29% participants were comfortable with offline schedules and 71% participants were comfortable with offline schedules. So from this we concluded that people are no comfortable to share the problems through online consultants and participants are more transparency and comfortable with offline activities.
- 4) Survey of COVID-19 Tablet or COVID-19 vaccines from this survey we got result 23% participants we likely to prefer covid-19 tablets and 77% COVID-19 Vaccines. From this we concluded that people are more likely to prefer vaccines than a tablet. Hence everyone is thinking about their safety about this disease.
- 5) Survey of participants eating fruits or fruit juices from this we got results 64% participants were likely to have fruits and 36% participants were likely to have fruit juices. From this we concluded that participants are more likely to prefer eating fruits in this pandemic they got to know the value of right nutrition and the participants who preferred fruits juices are lazy or busy with schedule, no time for caring there body.
- 6) Survey of Natural Booster or Artificial Boosters in the form of tablets. From this survey we got results 91% participants preferred taking natural booster and 9% participants preferred taking Artificial Boosters. From this we concluded that participants taking natural boosters were knowing the value of nutrition food in this current ongoing pandemic and the participants who preferred taking Artificial Boosters we less likely to have good nutrition hence this participants are just attracted to junk foods than nutrition.

## VI. Conclusion:

- 1) The availability of services to prevent, diagnose and treat disease is key to reducing death and disability, influencing where different conditions are ranked. These new estimates can be clearly indicated where additional investments in services are most urgently needed.
- 2) These new estimates are another reminder that we need to rapidly set up prevention, diagnosis and treatment of non communicable diseases.
- 3) They highlight the urgency of drastically improving primary healthcare equitably and holistically. Strong primary health care is clearly the foundation on which everything rests, from combatting non communicable diseases to managing a global pandemic.

- 4) Study can inform public health policy priorities for improving diet and reducing chronic disease burden in United States.”
- 5) In this way we can conduct medical survey online, cost effective, time consuming and easy way to interact with people.

**Future Scope:**

- 1) From this we can build strong healthcare, which may give proper and right information to communities.
- 2) Time consuming and user friendly.
- 3) Help to learn and Share the thoughts in one platform.
- 4) In this way we can use social media platform in the right and positive way.
- 5) Bringing healthcare heroes together: Doctor’s, Pharmacist, Researchers, Life science Graduates, Bioinformatics can make a change in upcoming future where they can communicate each other, share knowledge, develop new ideas, tackle problems and bring positive change in the field of healthcare.
- 6) Spreading awareness to communities.
- 7) In future Thyroid stimulating hormone (TSH) measurement has recently gained a dominant role in thyroid function testing, further facilitating cost- effective disease screening and also introducing new definitions of subclinical hypothyroidism or hyperthyroidism, along with delivering biochemical treatment targets. TSH test measures how much of this hormone is in a patient’s blood. The test finds out whether the thyroid gland is working the way it should.

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