

# Information on Cancer Prevention

DC20019 / Health Information National Trends Survey



Team

Overview

Risks

Impact of  
Information

Recommendation

**DC20019**



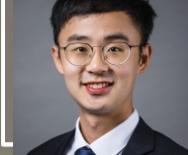
*Wenzhe Wu*



*Chinmay Naphade*



*Jiading Chen*



*Changnan Jing*

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## What is Cancer

Cancer is a genetic disease—that is, it is caused by changes to genes that control the way our cells function, especially how they grow and divide.

## About Cancer

## Cancer Prevention

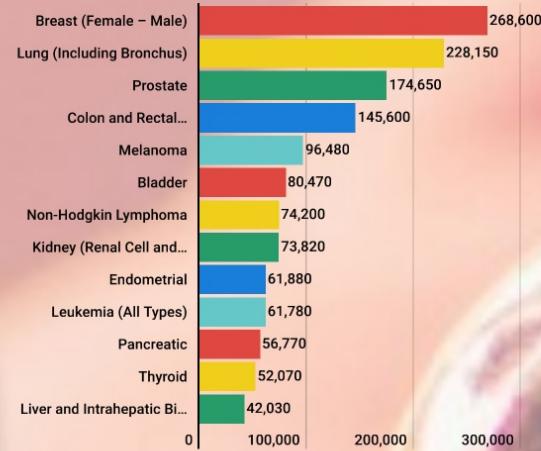
## About Cancer

Number of Cancer

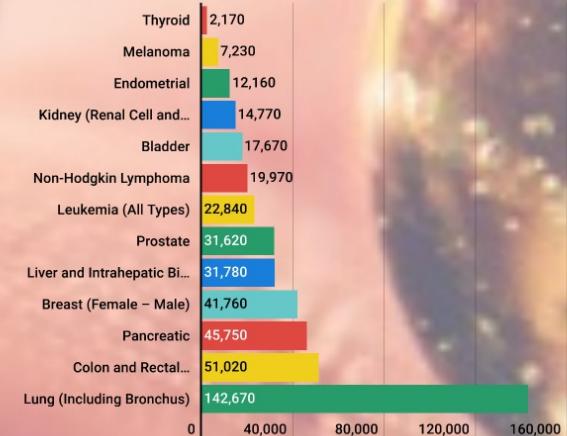
There are more than 100 types of cancer have been diagnosed. The most common cancers are: Lung, Breast and Colon & Rectal.

-World Health Organization

### 1 Estimated new cases



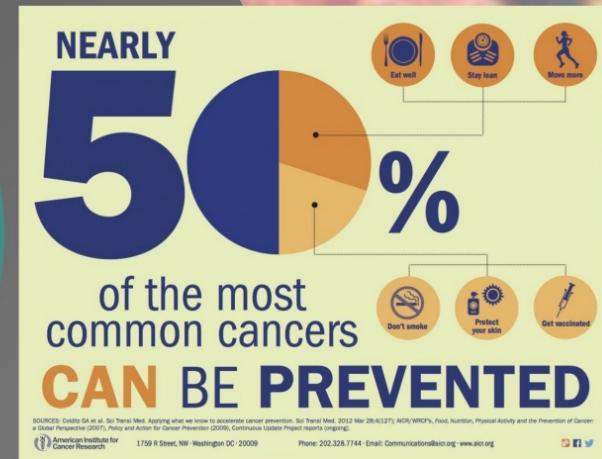
### 2 Estimated deaths



## What and Why

Between 30-50% of all cancer cases are preventable. Prevention offers the most cost-effective long-term strategy for the control of cancer.

-World Health Organization



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## Risks Factor

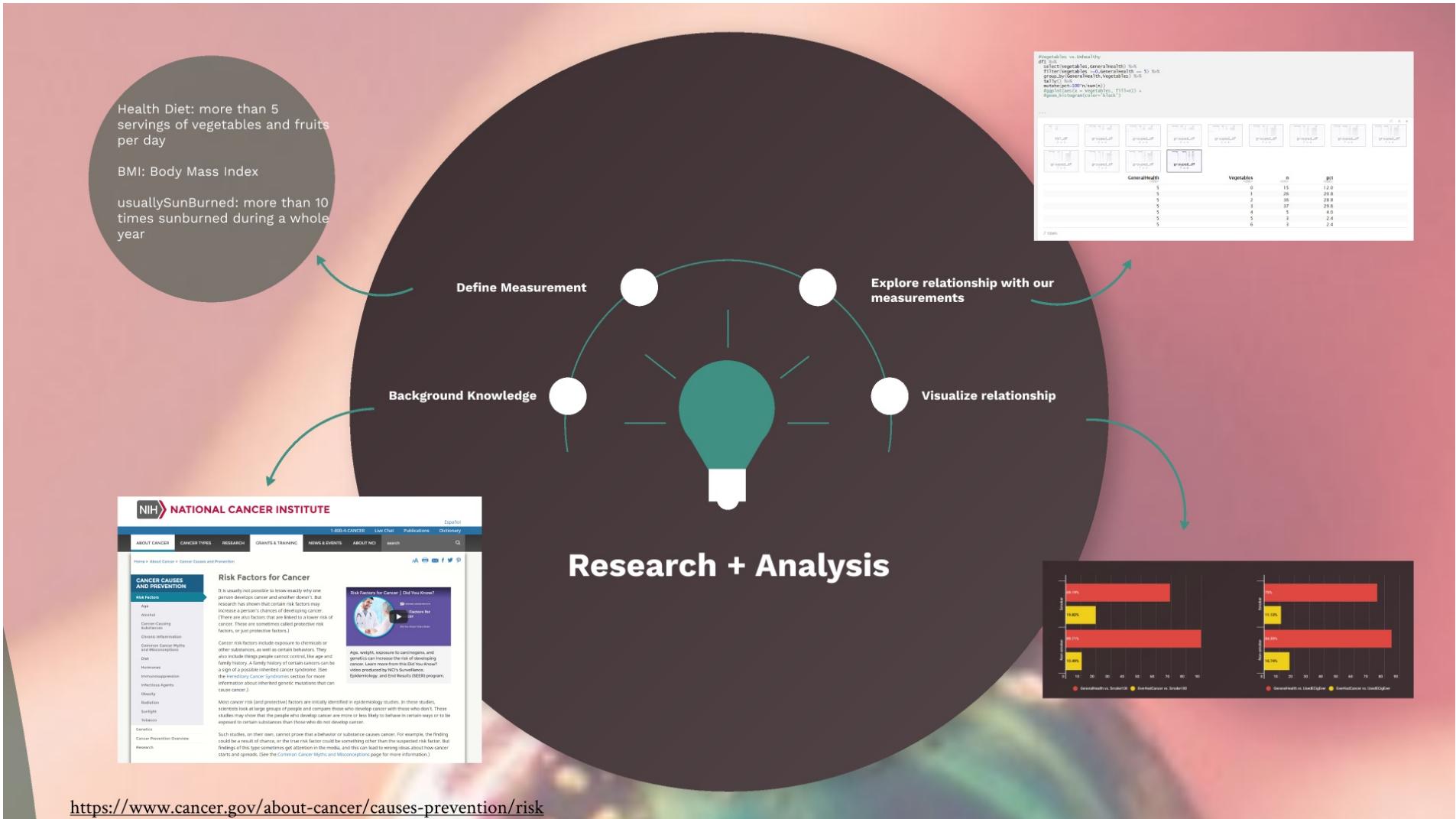
Cancer can be caused by many things, including exposure to cancer-causing substances, certain behaviors, age, and inherited genetic mutations.

**Studying risk factors of cancer can led to new way of preventing and treating the disease.**



How we identify

What are they



## Risk Factors

Known to Increase The Risk

Tobacco

May Affect The Risk

Age

Sunlight

Diet

Alcohol

Tobacco

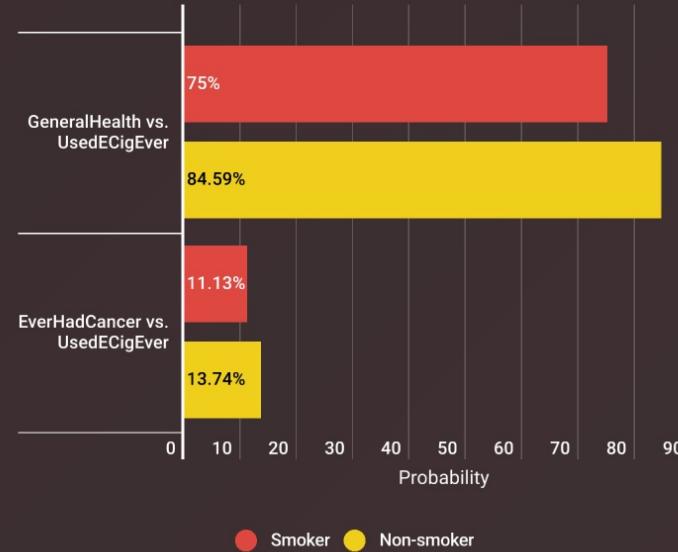
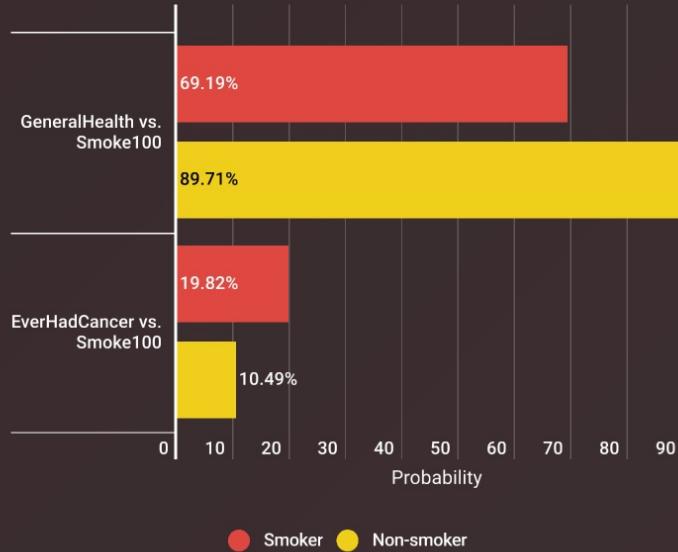
Age

Sun

Diet

Alcohol

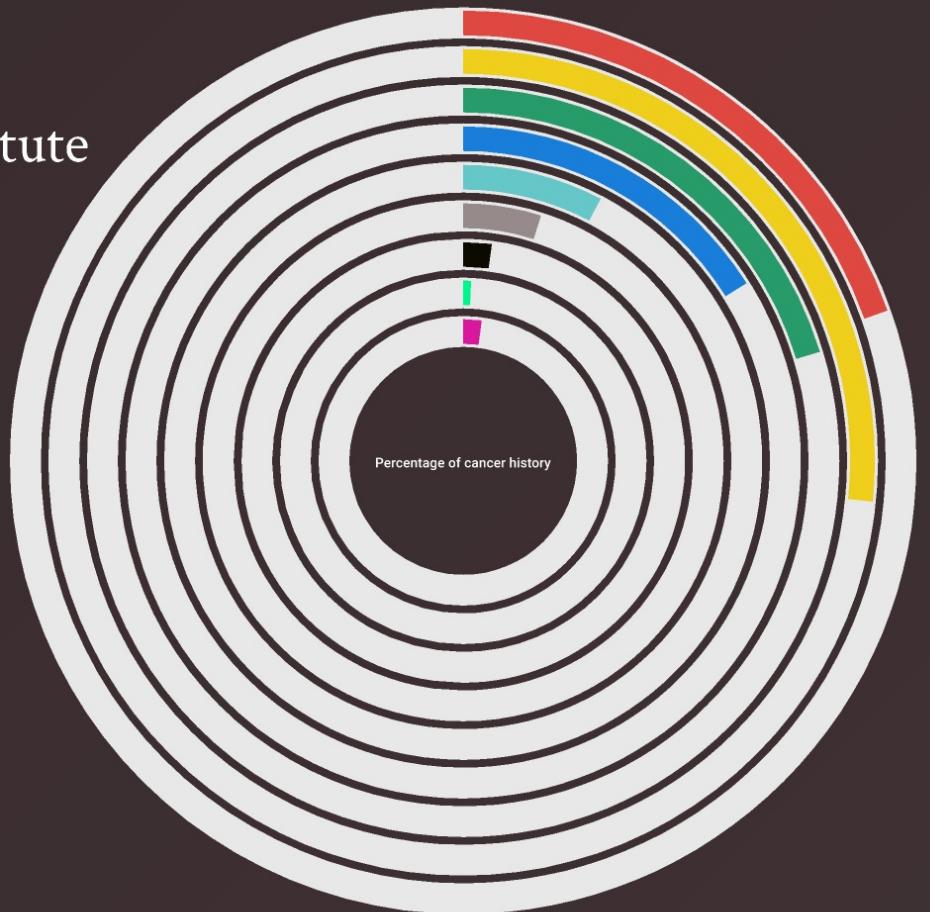
# Tobacco against health & cancer



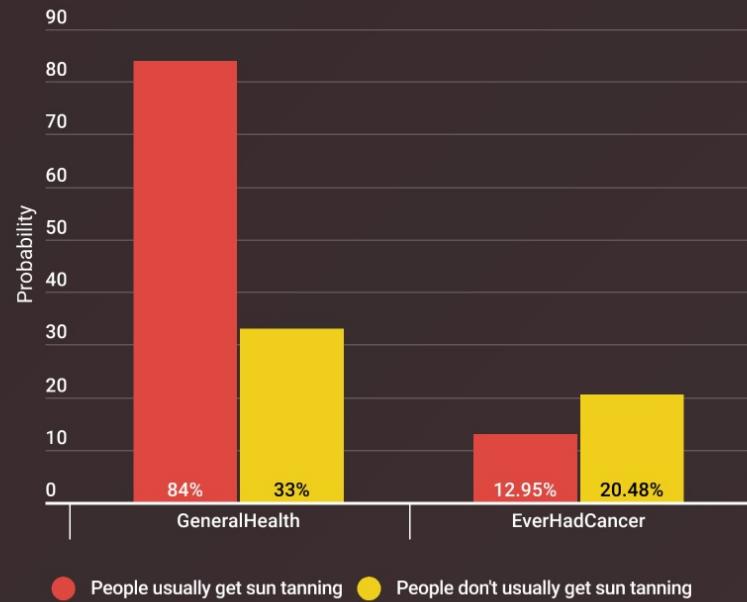
# Age

According to National Cancer Institute advancing age is an important risk factor for cancer overall.

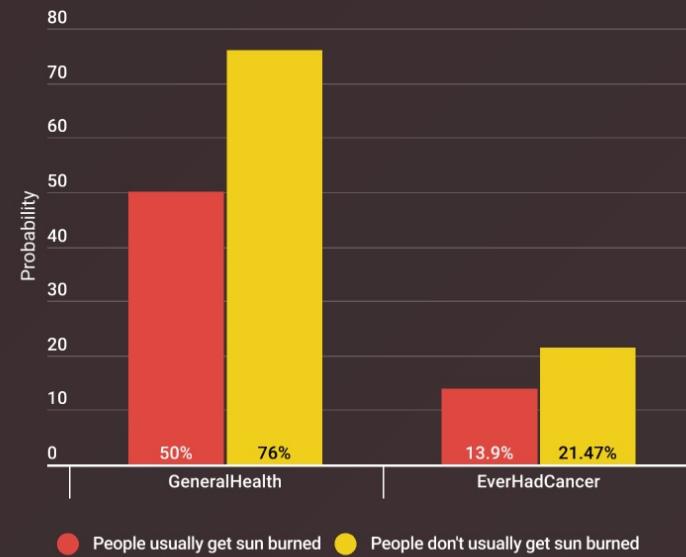
- 90-100
- 80-90
- 70-80
- 60-70
- 50-60
- 40-50
- 30-40
- 20-30
- 10-20



# Sun against health & cancer

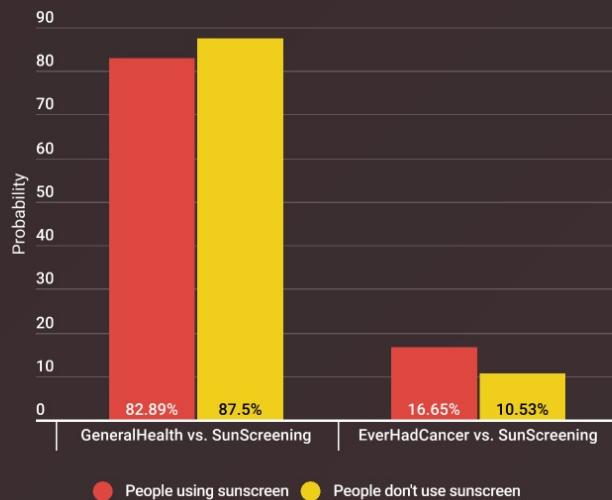


Sun tanning is positive for people in getting healthier and preventing from cancer



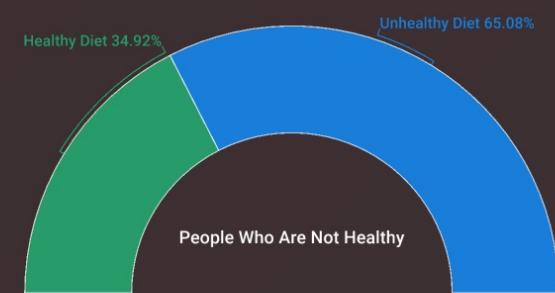
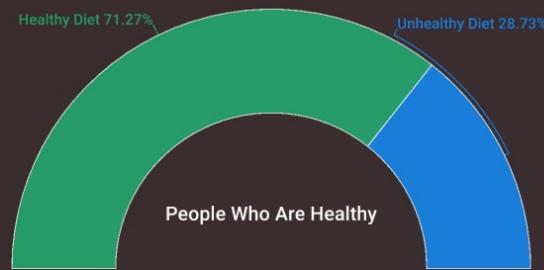
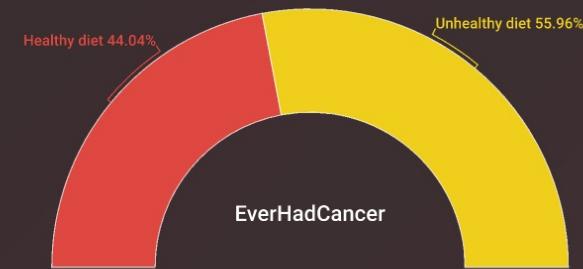
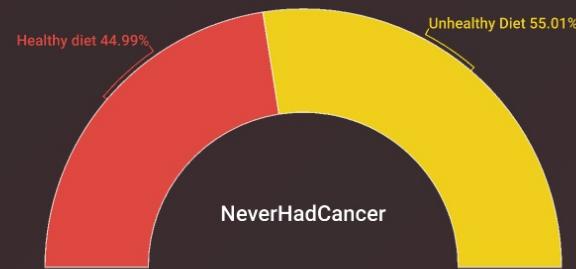
Sun burned is negative for people

## Does sunscreen work?



Sunscreen actually blocks sunlight  
but sunscreen is not obviously related to your health nor  
prevent you from getting cancer

# Healthy diet against cancer and wellness



# Alcohol

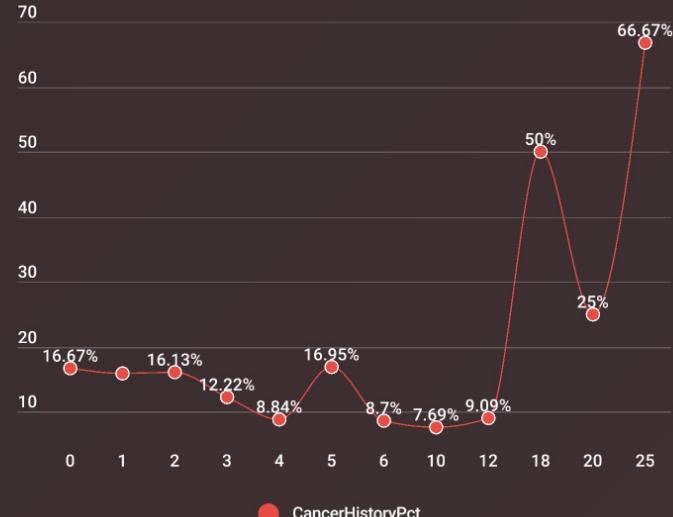
According to NCI, drinking alcohol can increase your risk of cancer of the mouth, throat, esophagus, larynx (voice box), liver, and breast. The more you drink, the higher your risk.

But it has been suggested that certain substances in red wine, such as resveratrol, have anticancer properties. But there is not a obvious trend to prove.

*DrinkDayPerWeek*



*DrinksPerDay*



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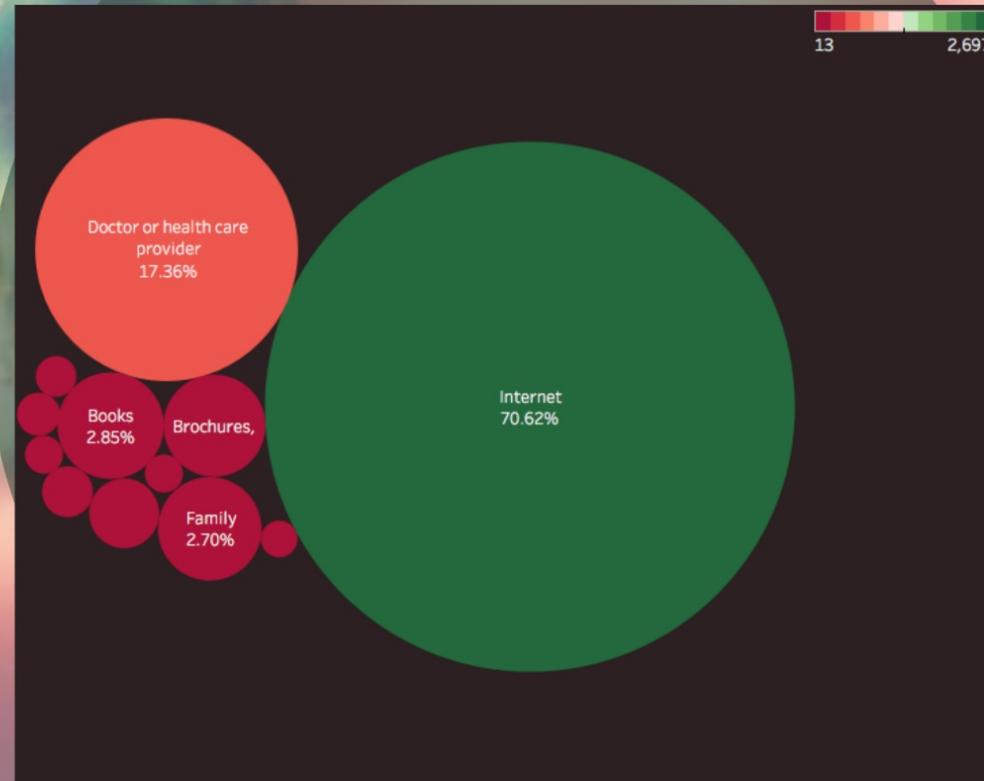
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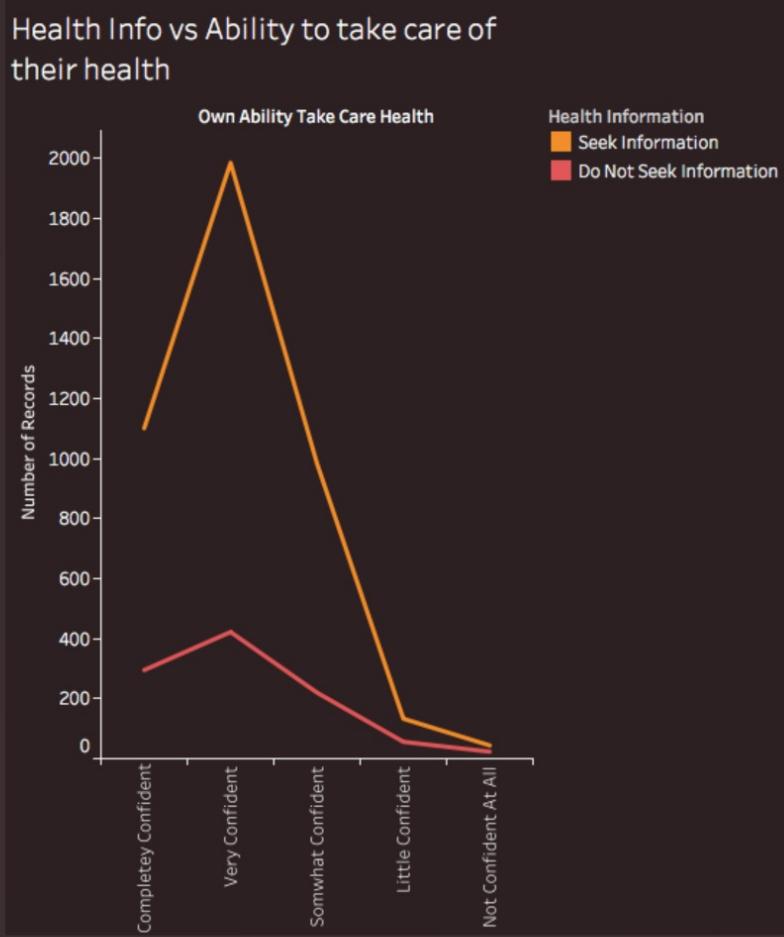
# Sources of Information



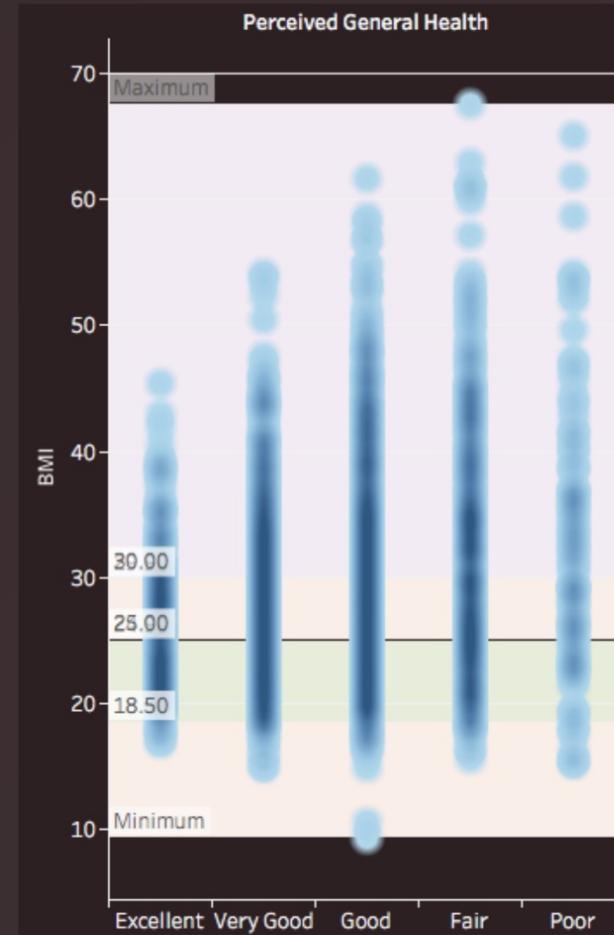
Perception

Tracking

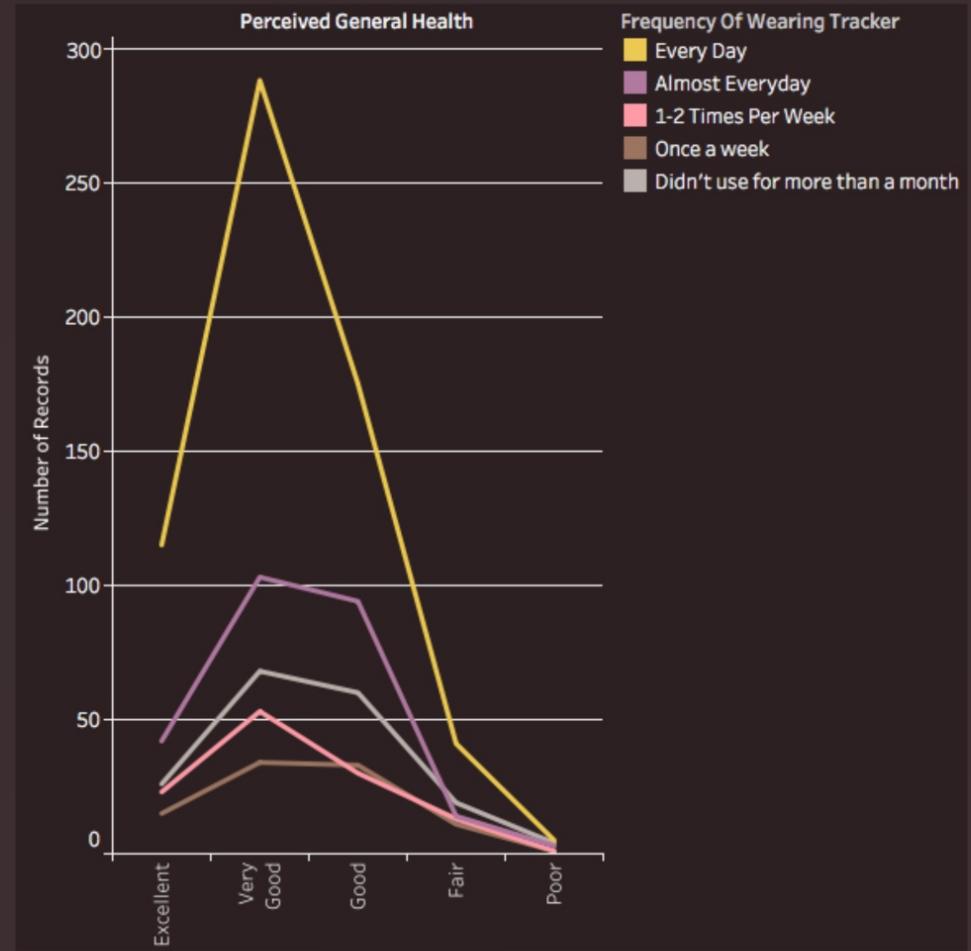
**Confidence in taking care of their own health among people who seek out information and those who don't.**



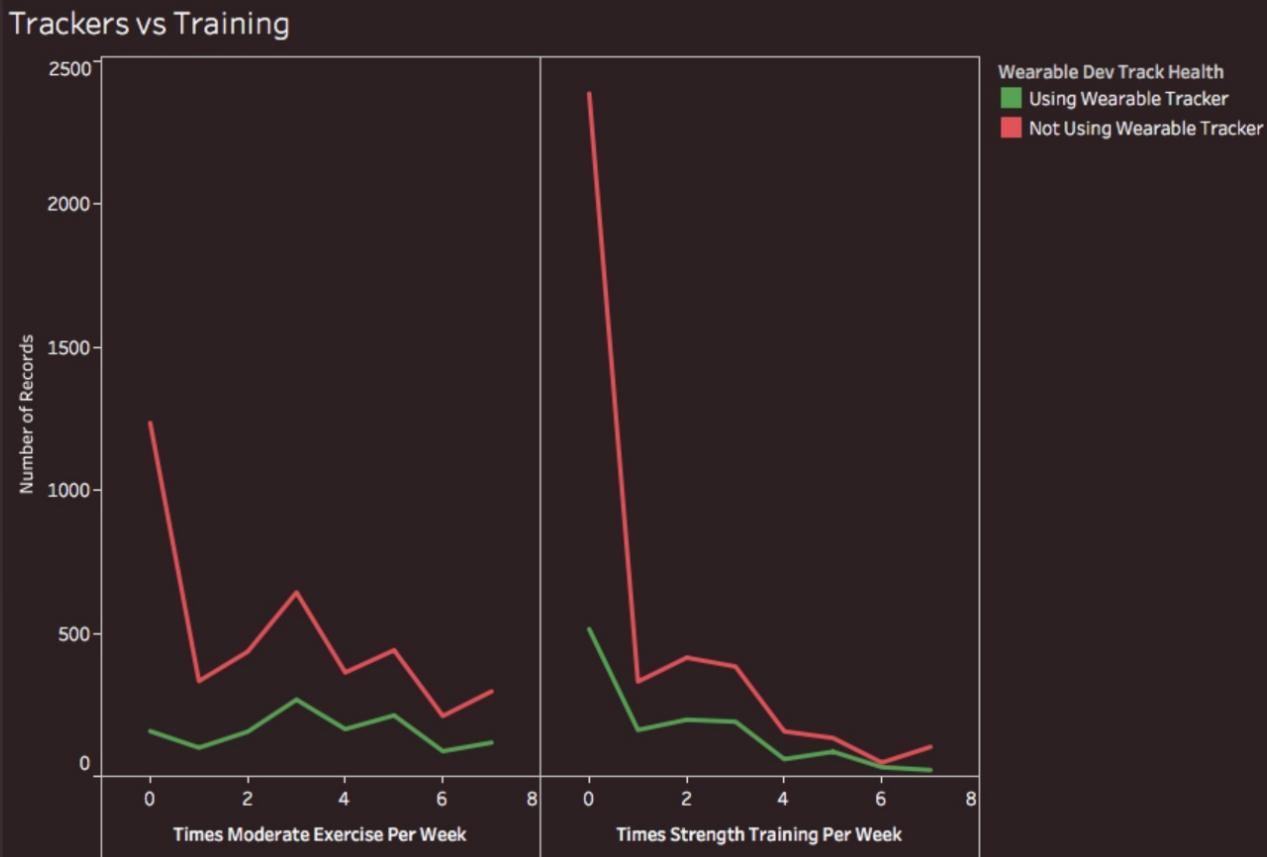
# Perception of the general health in comparison to their BMI



# Perceived general health vs Frequency of wearing trackers.



# Use of trackers and exercise



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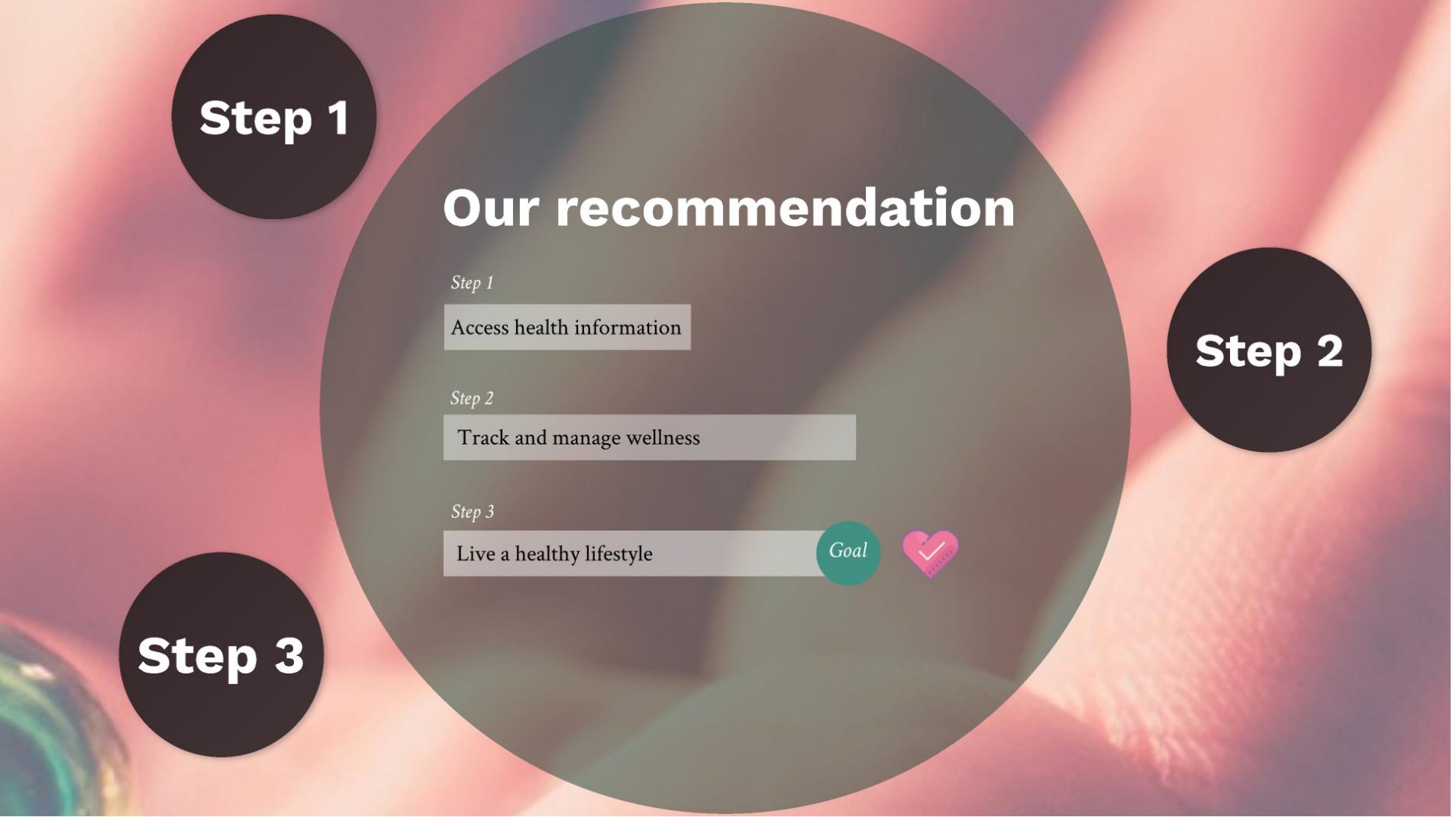
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**Step 1**

## Our recommendation

*Step 1*

Access health information

*Step 2*

Track and manage wellness

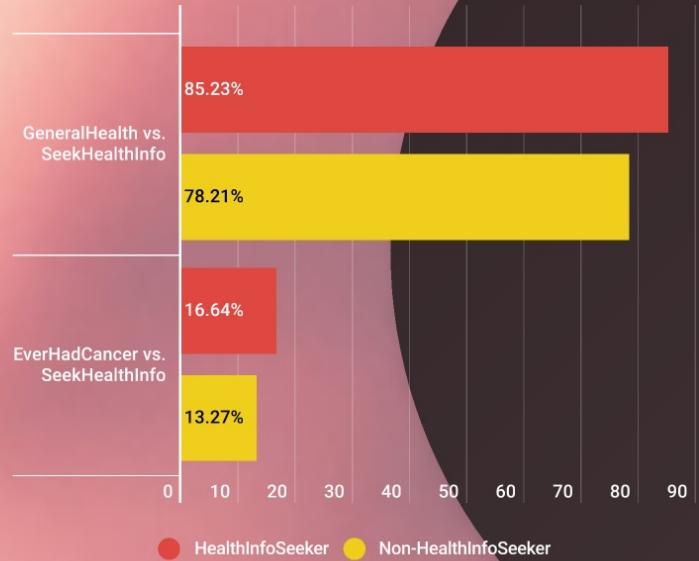
*Step 3*

Live a healthy lifestyle

*Goal*



**Step 3**

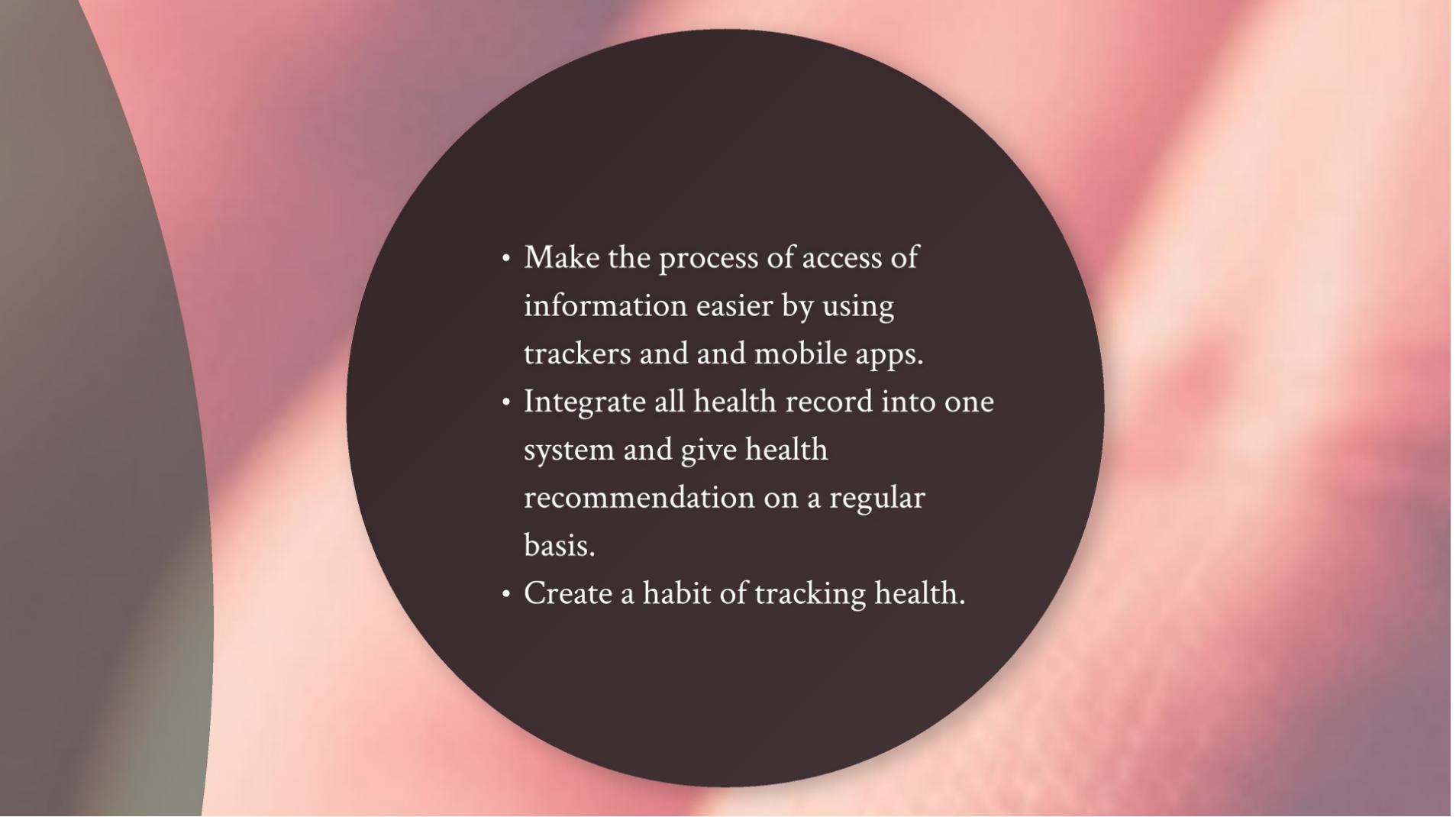


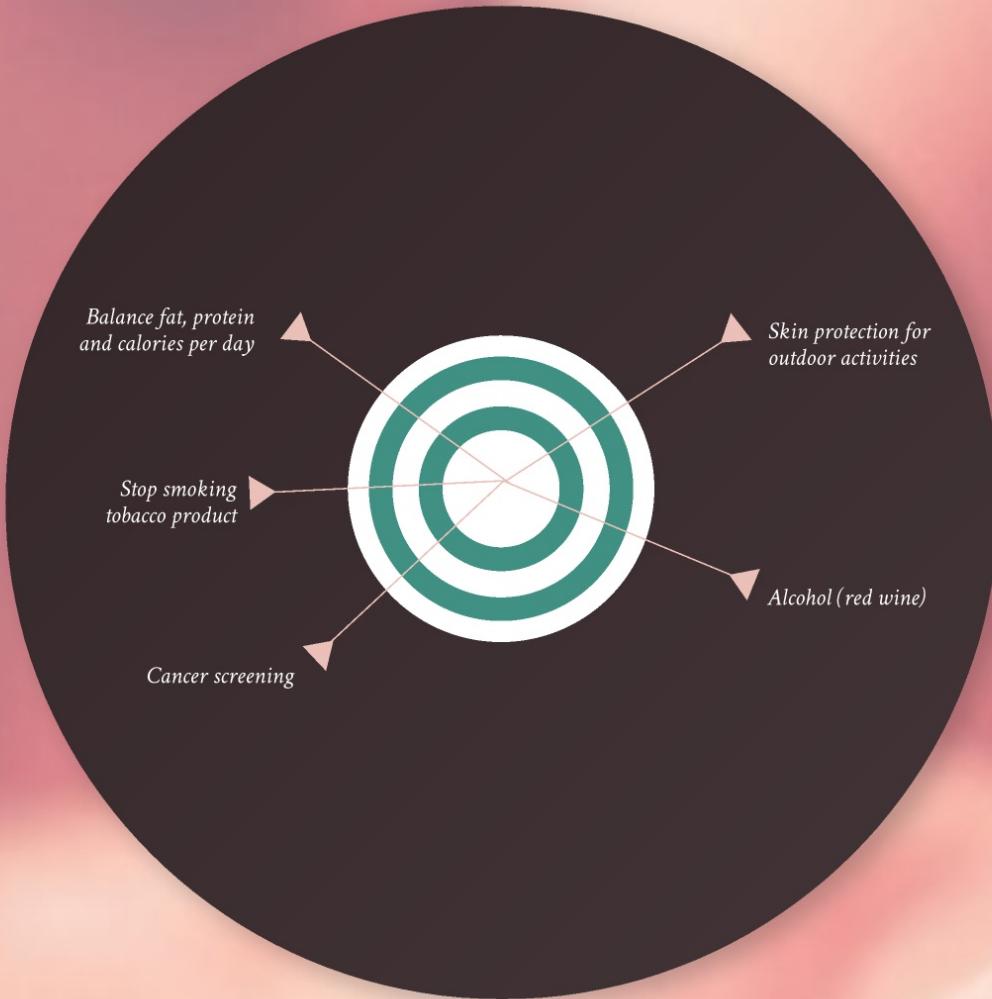
1

Keep your health in mind

2

Find official and reliable ways to access your health

- 
- Make the process of access of information easier by using trackers and mobile apps.
  - Integrate all health record into one system and give health recommendation on a regular basis.
  - Create a habit of tracking health.



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